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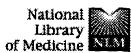
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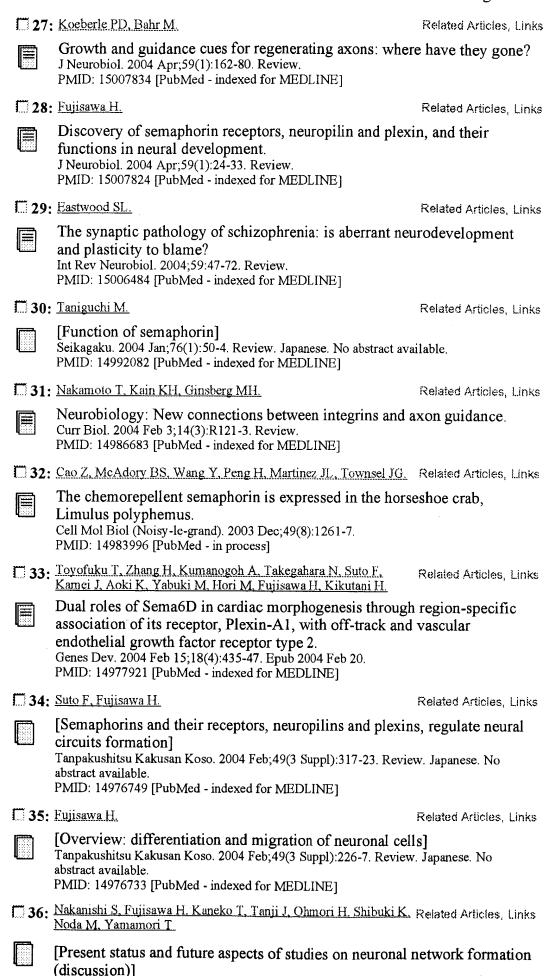
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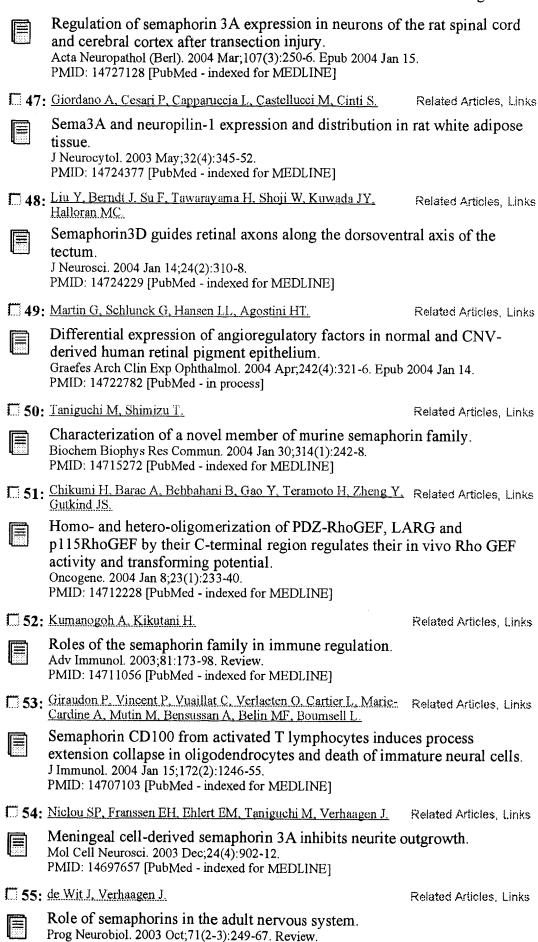
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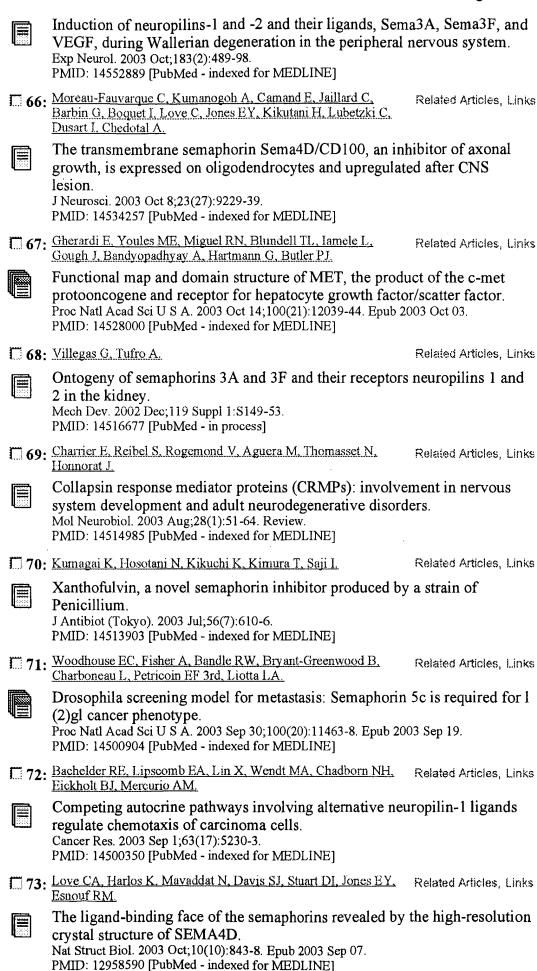
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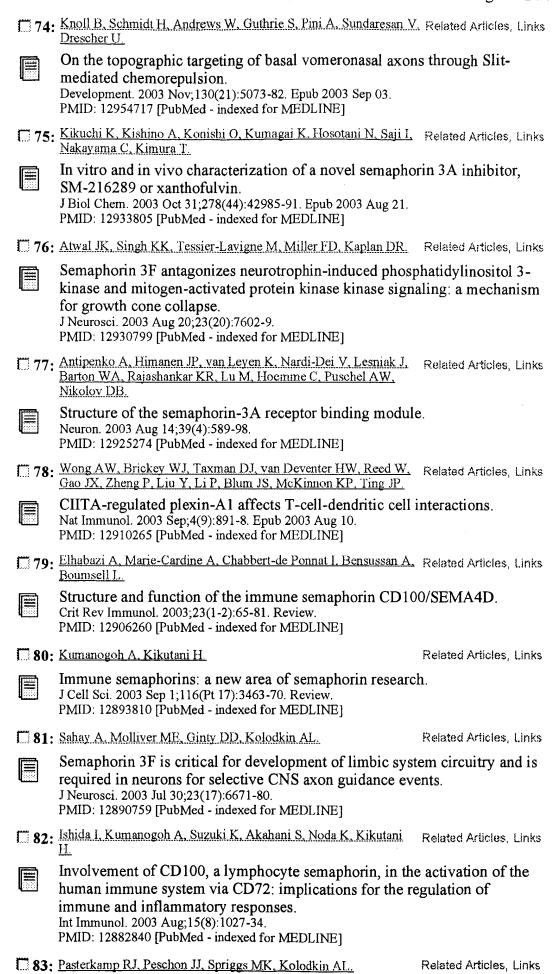
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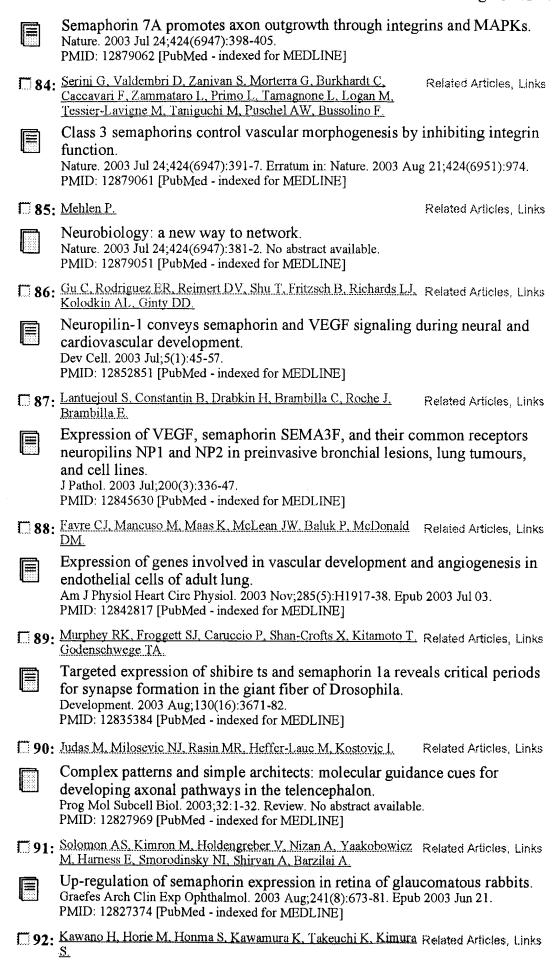
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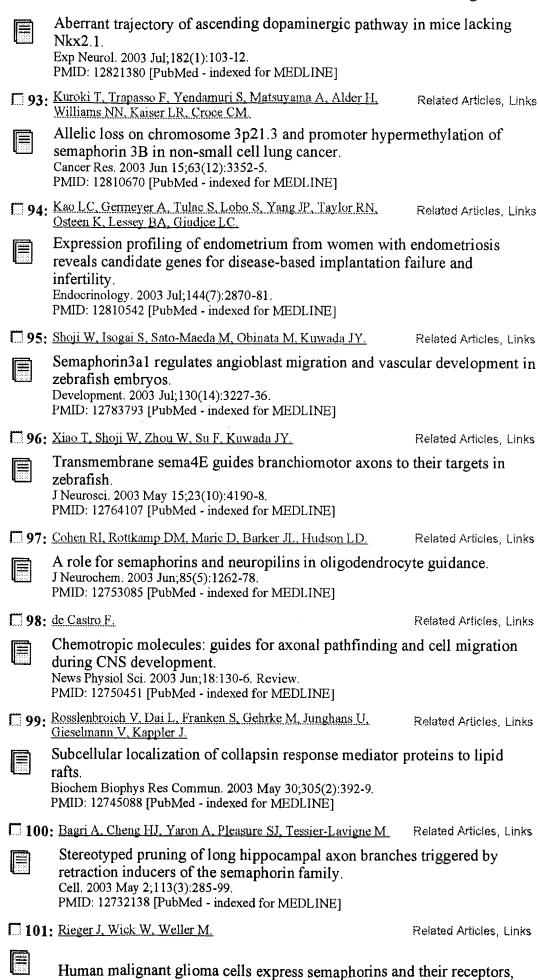
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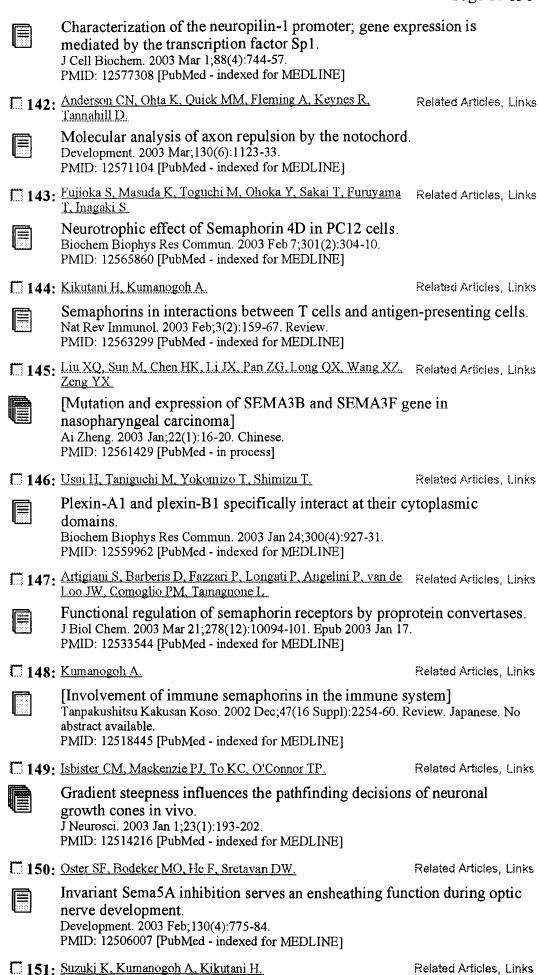
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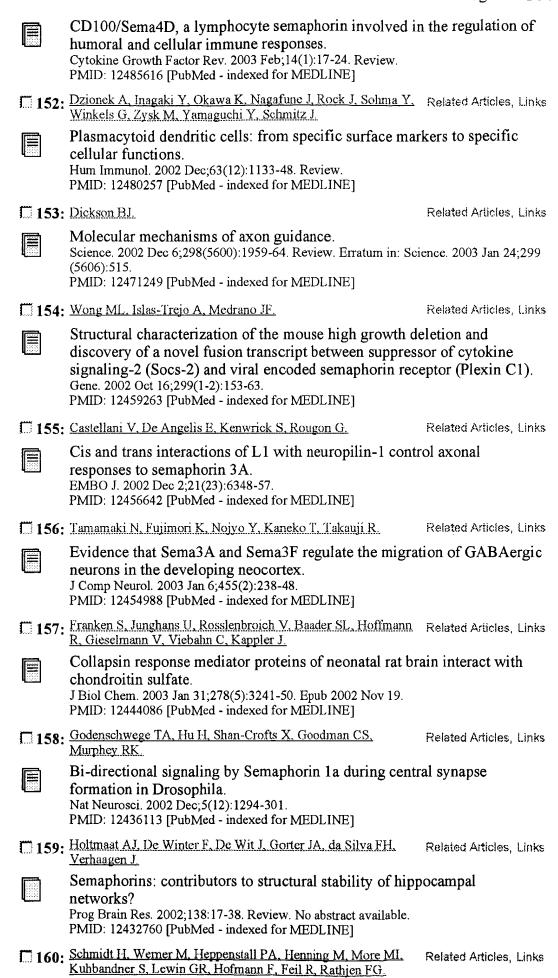
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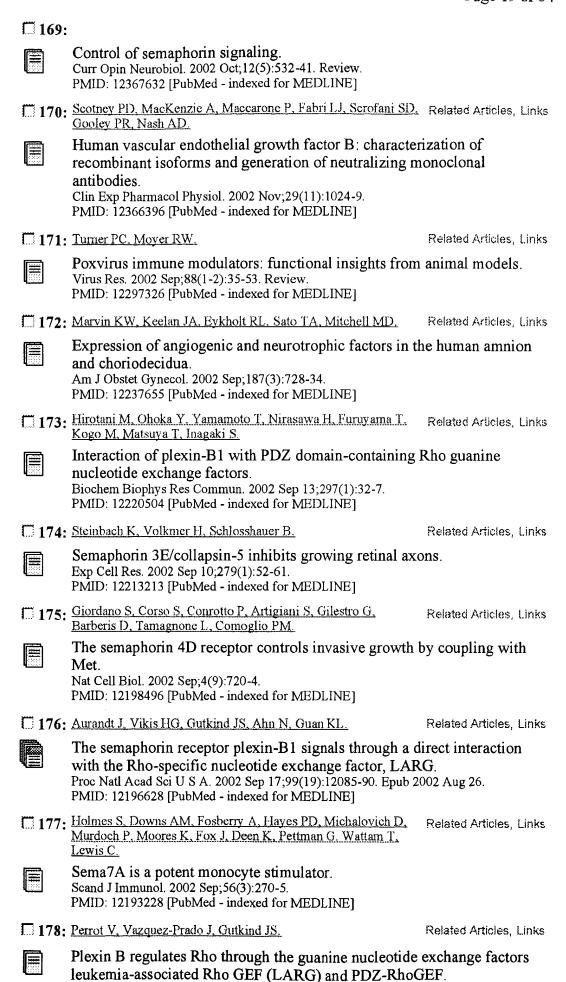
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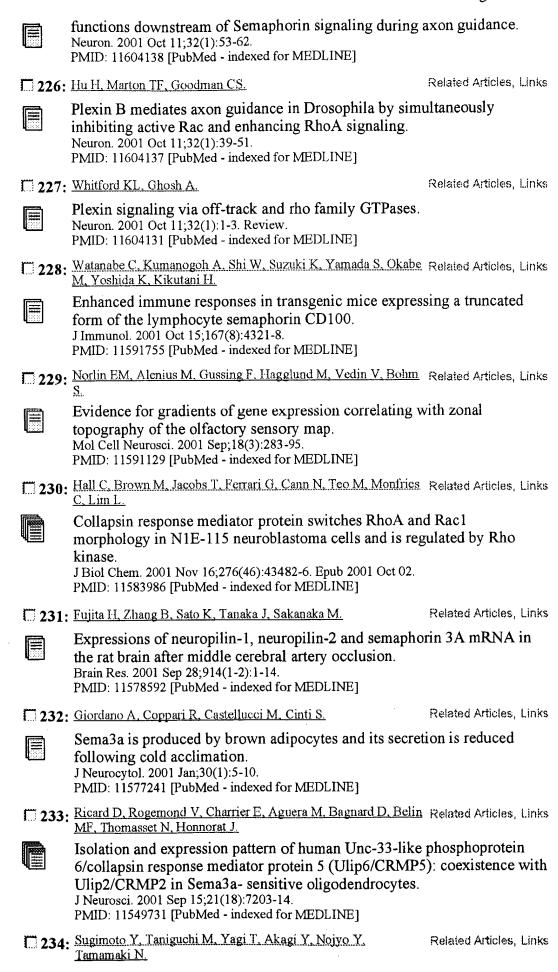
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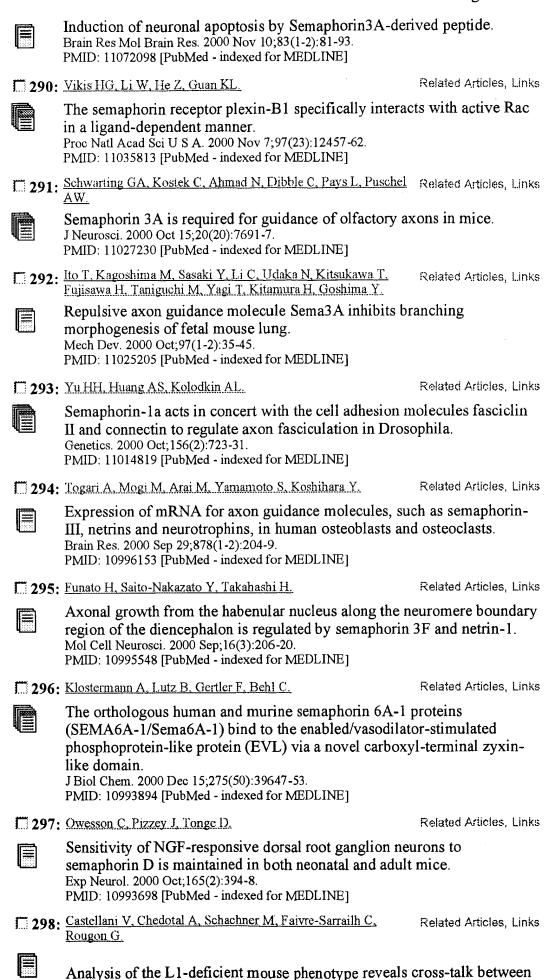
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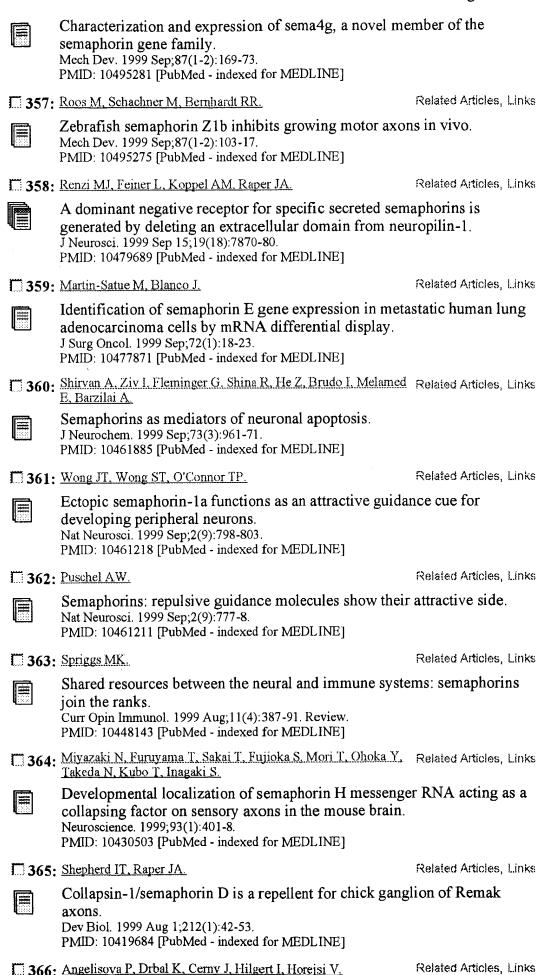
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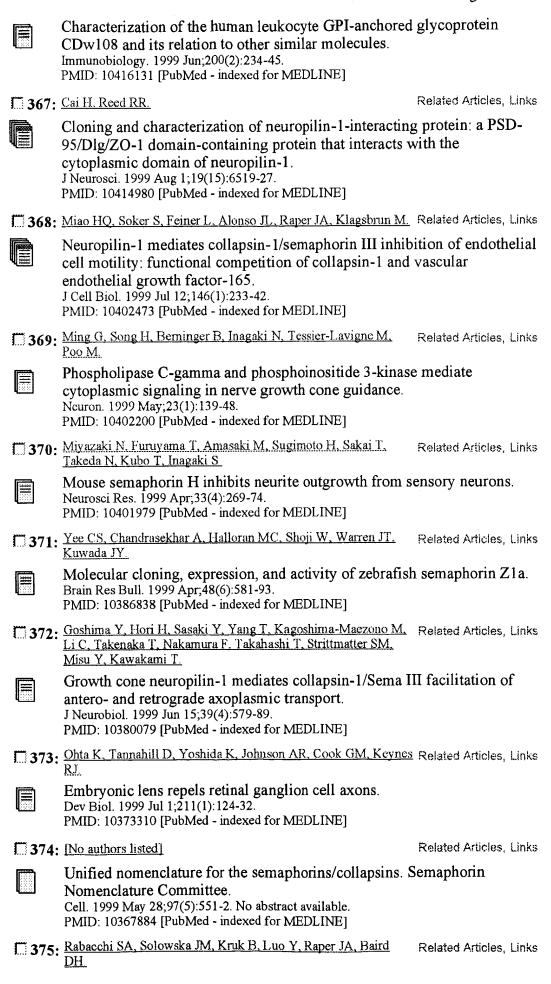
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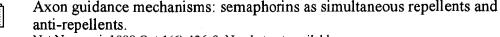
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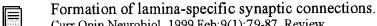
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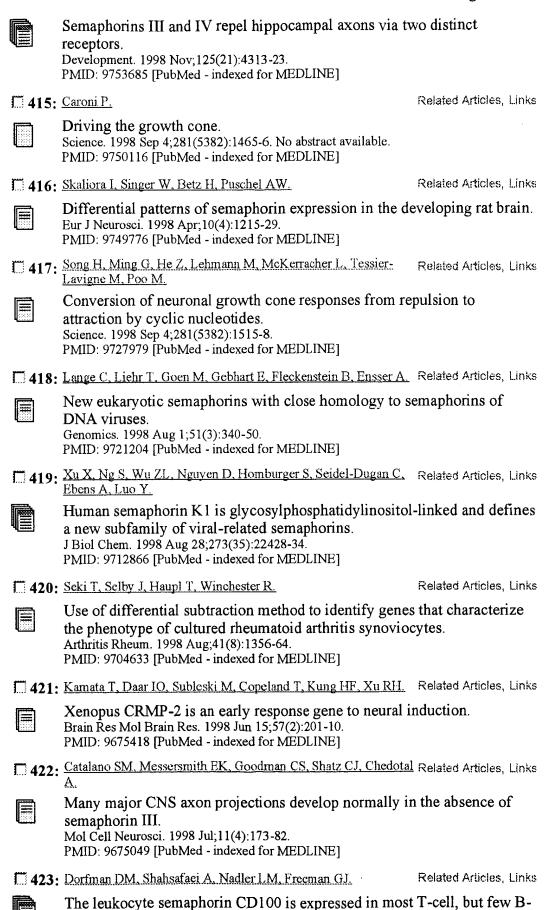
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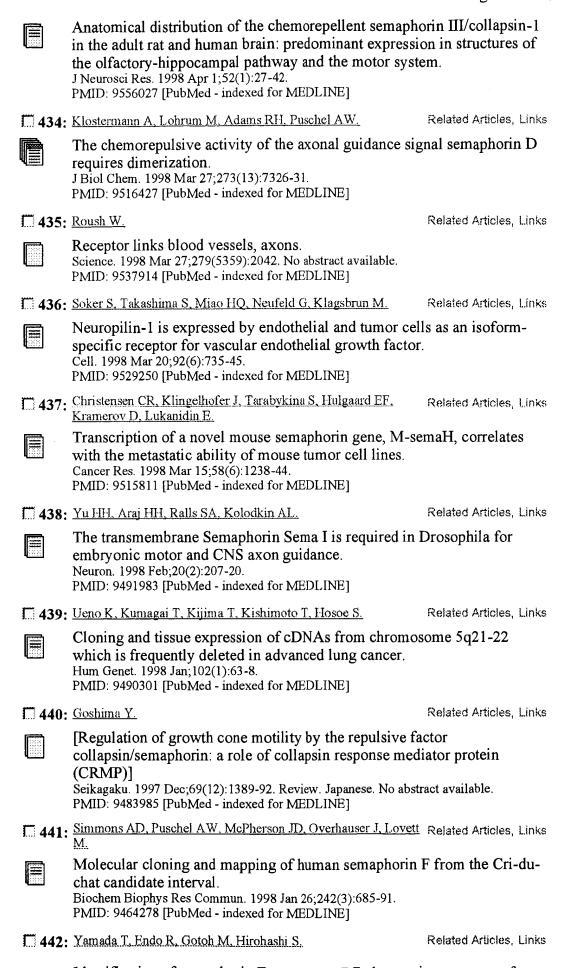
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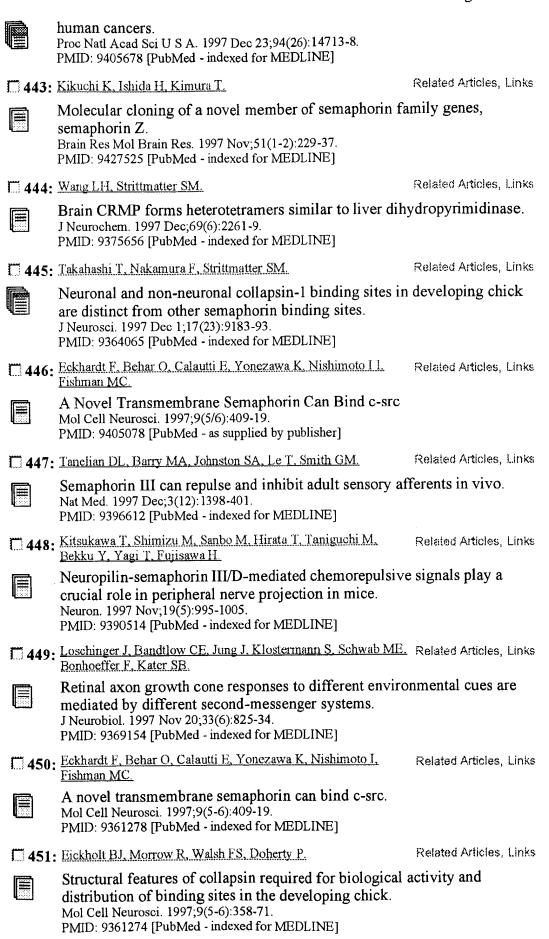


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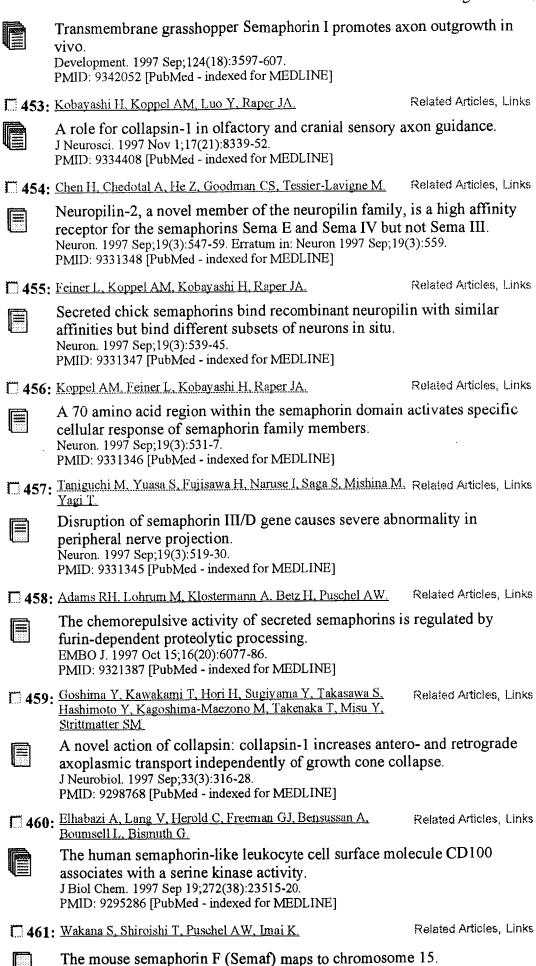


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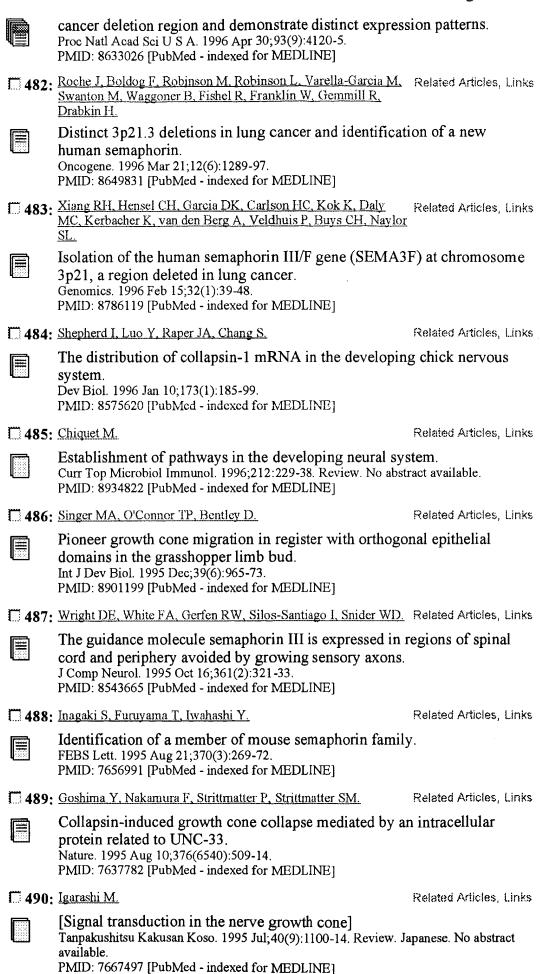
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=> s semaphorin
 55 FILES SEARCHED...
L1 9243 SEMAPHORIN

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DUPLICATE IS NOT AVAILABLE IN 'ADISINSIGHT, ADISNEWS, BIOCOMMERCE, DGENE,
DRUGMONOG2, IMSRESEARCH, FEDRIP, FOREGE, GENBANK, IMSPRODUCT, KOSMET,
MEDICONF, NUTRACEUT, PCTGEN, PHAR, PHARMAML, PROUSDDR, RDISCLOSURE, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

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             5876 DUP REM L1 (3367 DUPLICATES REMOVED)
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ΑŪ
      Institut National de la Sante et de la Recherche Medicale U 433, Hopital
CS
      Neurologique, 59 Bd Pinel, 69003, Lyon, France
      jerome.honnorat@chu-lyon.fr
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Department of Surgical Oncology, University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Box 444, Houston, TX, 77030-4009, USA
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Department of Internal Medicine, National Taiwan University Hospital, 7
Chung-Shan South Road, Taipei, 100, Taiwan
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215 Stemmler Hall, Philadelphia, PA, 19104, USA

CS

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                                ***semaphorins*** A(V) and IV reside in the 3p21.3
TI
          ***Human***
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       Sekido, Yoshitaka [Reprint author]; Bader, Scott [Reprint author]; Latif,
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Dallas, TX 75235, USA
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      Growth cones say no.
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      Pini, Adrian
ΑU
      Dep. Genetics Biometry, Univ. Coll. London, Wolfson House, 4 Stephenson
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      Way, London NW1 2HE, ÚK
      Current Biology, (1994) Vol. 4, No. 2, pp. 131-133.
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       New dominant negative neuropilin-1 receptor, useful for modulating or inactivating activity of selected secreted ***semaphorins*** and inhibiting or preventing collapse or motility of axon growth cone; protein expression in 293T cell and COS-7 cell
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L4
        ANSWER 25 OF 441
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AN
        New complexes of neuropilin-1 receptor and a growth factor such as
ΤI
        vascular endothelial growth factors, useful for inducing or antagonizing
        a cellular response mediated by growth factors; vector plasmid-mediated ***human*** or m
        vector plasmid-mediated ***human*** or mouse vascular endothel:
growth factor gene transfer and expression in 293 cell culture for
cancer therapy and gene therapy
Alitalo K; Eriksson U; Olofsson B; Makinen T
                                                                or mouse vascular endothelial
ΑU
        Ludwig-Inst.Cancer-Res.; Univ.Helsinki
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        New York, NY, USA; Helsinki, Finland. WO 2000023565 27 Apr 2000
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AN
        Expression and regulation of the novel vascular endothelial growth factor
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        receptor neuropilin-1 by epidermal growth factor in
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AU
        Dr. L.M. Ellis, Department of Surgical Oncology, Box 444, Univ. TX M. D.
CS
        Anderson Cancer Ctr., 1515 Holcombe Boulevard, Houston, TX 77030-4009,
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        E-mail: lellis@mdanderson.org
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      Hopkins University School of Medicine, Baltimore, Maryland 21205, USA.
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      Molecular Neurobiology Group, Medical Research Council Centre for Developmental Biology, King's College London, London SE1 1UL, United Kingdom. Britta.J.Eickholt@kcl.ac.uk
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                         CANCERLIT
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                    PubMed ID: 11741937
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      Division of Molecular and Life Sciences, Pohang University of Science and
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       Isolation and expression pattern of
       phosphoprotein 6/ ***collapsin*** response mediator protein 5 (Ulip6/CRMP5): coexistence with Ulip2/CRMP2 in Sema3a- sensitive
       phosphoprotein 67 ***collapsin***
       oligodendrocytes.
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ΑU
       Institut National de la Sante et de la Recherche Medicale U 433,
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                                                                                                 Institut
       Federatif des Neurosciences de Lyon, Hopital Neurologique, 69003 Lyon,
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       Journal; Article; (JOURNAL ARTICLE)
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       Neurobiologie Experimentale et Physiopathologie, Faculte de Medecine
       Laennec, 69372 Lyon cedex 08, France.
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                        PubMed ID: 11085871
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Fankhauser C; Friedlander R M; Gagliardini V
Brain Research Institute, Department of Neuromorphology, University of Zurich, ETH Zurich, Winterthurerstrasse 190, 8057 Zurich, Switzerland.
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                                                                      ***human***
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     and cell lines: A suggested role in cell adhesion and cell migration.
     Brambilla E; Constantín B; Drabkin H; Roche J
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     Brain Research Institute, University of Zurich, and Swiss Federal
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        ***human***
                        lung adenocarcinoma cells by mRNA differential display.
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     Departament de Biologia Cel.lular, Institut de Recerca Oncologica,
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                               CANCERLIT on STN
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                     PubMed ID: 10441093
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Miao H Q; Soker S; Feiner L; Alonso J L; Raper J A; Klagsbrun M
Department of Surgical Research, Children's Hospital and Harvard Medical
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CS
       School, Boston, Massachusetts 02115, USA.
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      isoform-specific receptor for vascular endothelial growth factor.
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Pathology Division, National Cancer Center Research Institute, I-I Tsukiji 5-chome, Chuo-ku, Tokyo 104, Japan.
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                                                ***semaphorin***
                                                                       III/F gene (SEMA3F)
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Xiang R H; Hensel C H; Garcia D K; Carlson H C; Kok K; Daly M C; Kerbacher
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      K; van den Berg A; Veldhuis P; Buys C H; Naylor S L
Department of Cellular & Structural Biology, University of Texas Health
CS
      Science Center at San Antonio 78284-7762, ŪSA.
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TI
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      Hamon Center for Therapeutic Oncology Research, University of Texas
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      Southwestern Medical Center, Dallas 75235, USA.
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Aburatani, Hiroyuki; Yamamoto, Shogo
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      NGK Insulators, Ltd., Japan PCT Int. Appl., 372 pp. CODEN: PIXXD2
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                                                               ***human***
     receptor neuropilin-1 by epidermal growth factor in
     pancreatic carcinoma
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     Reinmuth, Niels; Bruns, Christiane J.; Bucana, Corazon D.; Evans, Douglas
     B.; Ellis, Lee M. Department of Surgical Oncology, The University of Texas M. D. Anderson
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     Cancer Center, Houston, TX, USA
     Cancer (New York, NY, United States) (2003), 98(4), 720-729 CODEN: CANCAR; ISSN: 0008-543X
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     Journal
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     Yoshimasa; Takashima, Ryokichi; Enoki, Yuki; Kato, Ikunoshin
     Takara Bio Inc., Japan
Jpn. Kokai Tokkyo Koho, 386 pp.
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PI
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ΑU
     Weitzdoerfer, R.; Fountoulakis, M.; Lubec, G.
     Department of Pediatrics, University of Vienna, Vienna, Austria
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     Protein Expression in Down Syndrome Brain (2001), 95-107. Editor(s):
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     Isolation and expression pattern of
                                             ***human***
                                                             Unc-33-like
     phosphoprotein 6/ ***collapsin***
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     (Ulip6/CRMP5): coexistence with Ulip2/CRMP2 in Sema3A-sensitive
     oligodendrocytes
     Ricard, Damien; Rogemond, Veronique; Charrier, Emmanuelle; Aguera,
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Institut National de la Sante et de la Recherche Medicale U 433, Institut
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      Federatif des Neurosciences de Lyon, Hopital Neurologique, Lyon, 69003,
SO
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                                               response mediator protein-2 is involved
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      Gu, Yongjun; Ihara, Yasuo
Department of Neuropathology, Faculty of Medicine, University of Tokyo,
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      Tokyo, 113-0033, Japan
Journal of Biological Chemistry (2000), 275(24), 17917-17920
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American Society for Biochemistry and Molecular Biology
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      dysregulated at the protein level
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Department of Pediatrics, University of Vienna, Vienna, Austria
Journal of Neural Transmission, Supplement (1999), 57 (Molecular Biology of
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      Department of Neurosciences, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA
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      Cloning and expression pattern of a murine ***semaphorin***
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      Eckhardt, Florian; Meyerhans, Andreas
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      Anatomical distribution of the chemorepellent ***semaphorin***
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Dallas, TX, 75235, USA Proceedings of the National Academy of Sciences of the United States of SO America (1996), 93(9), 4120-4125 CODEN: PNASA6; ISSN: 0027-8424 PBNational Academy of Sciences DT Journal LΑ English L4ANSWER 91 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN ANCAPLUS 1996:133858 DN124:199316 TI ***human*** Isolation of the ***semaphorin*** III/F gene (SEMA3F) at chromosome 3p21, a region deleted in lung cancer Xiang, Rui-Hua; Hensel, Charles H.; Garcia, Dawn K.; Carlson, Helene C.; ΑU Kok, Klaas; Daly, Maria C.; Kerbacher, Karen; van den Berg, Anke; Velhuis, Patrick; et al.

Dep. of Cellular & Structural Biology, Univ. of Texas Health Science Center at San Antonio, San Antonio, TX, 78284-7762, USA Genomics (1996), 32(1), 39-48

CODEN: GNMCEP; ISSN: 0888-7543 CS SO PΒ Academic DT Journal LΑ English L4ANSWER 92 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN AN1995:744823 CAPLUS DN 123:310741 ΤI ***Collapsin*** -induced growth cone collapse mediated by an intracellular protein related to UNC-33 Goshima, Yoshio; Nakamura, Fumio; Strittmatter, Philipp; Strittmatter, ΑU Stephen M. Dep. Neurol. Neurobiol., Yale Univ. Sch. Med., New Haven, CT, 06520, USA Nature (London) (1995), 376(6540), 509-14 CODEN: NATUAS; ISSN: 0028-0836 CS SO PB Macmillan Magazines DTJournal LΑ English T.4 ANSWER 93 OF 441 CAPLUS COPYRIGHT 2004 ACS on STN AN1994:155251 CAPLUS DN 120:155251 TI ***semaphorin*** genes encode a family of transmembrane and secreted growth cone guidance molecules ΑU Kolodkin, Alex L.; Matthes, David J.; Goodman, Corey S. Howard Hughes Med. Inst., Univ. California, Berkeley, CA, 94720, USA Cell (Cambridge, MA, United States) (1993), 75(7), 1389-99 CODEN: CELLB5; ISSN: 0092-8674 CS SO DT Journal LA English ANSWER 94 OF 441 DISSABS COPYRIGHT (C) 2004 ProQuest Information and L4Learning Company; All Rights Reserved on STN 1998:19071 DISSABS Order Number: AAR9814873 ON THE INTERACTION BETWEEN THE ***COLLAPSIN* AN ΤI ***COLLAPSIN*** ***SEMAPHORIN*** FAMILY OF AXON GUIDANCE MOLECULES AND THEIR RECEPTOR COMPLEX KOPPEL, ADAM M. [PH.D.]; RAPER, JONATHAN A. [adviser] UNIVERSITY OF PENNSYLVANIA (0175) AU CS SO Dissertation Abstracts International, (1997) Vol. 58, No. 11B, p. 5822. Order No.: AAR9814873. 194 pages. DT Dissertation FS DAI LΑ English L4DISSABS COPYRIGHT (C) 2004 ProQuest Information and ANSWER 95 OF 441 Learning Company; All Rights Reserved on STN 97:49724 DISSABS Order Number: AAR9722128 AN Order Number: AAR9722128 TΙ MOLECULAR CLONING AND ANALYSIS OF A ZEBRAFISH ***SEMAPHORIN*** (GROWTH ΑU CHARLES STEPHEN [PH.D.]; KUWADA, JOHN Y. [advisor] THE UNIVERSITY OF MICHIGAN (0127) CS

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OS
      1999-394959 [33]
DESC
         ***Human***
                       VEGF(165)R/NP-1 gene forward primer.
L4
      ANSWER 104 OF 441
                          DGENE
                                 COPYRIGHT 2004 THOMSON DERWENT on STN
AN
      AAZ28481
                DNA
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      New polypeptides and polynucleotides, useful in diagnosis and treatment
TI
      of metastatic cancer
      Lukanidin E M; Christensen C R L
IN
PA
       (LUKA-I)
                   LUKANIDIN E M.
                   CHRISTENSEN C R L.
       (CHRI-I)
PΙ
      WO 9947671
                    A2 19990923
                                                  95p
AΙ
      WO 1999-IB495
                        19990312
PRAI
      US 1998-77997
                        19980313
DT
      Patent
LA
      English
OS
      1999-590975 [50]
DESC
      Antisense PCR primer for cloning of ***human***
                                                             homologue of M Sema
      Η.
L4
      ANSWER 105 OF 441
                                COPYRIGHT 2004 THOMSON DERWENT on STN
                         DGENE
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T.T
        New polypeptides and polynucleotides, useful in diagnosis and treatment
        of metastatic cancer
 IN
        Lukanidin E M; Christensen C R L
 PA
                      LUKANIDIN E M.
        (LUKA-I)
        (CHRI-I)
                      CHRISTENSEN C R L.
 ΡI
        WO 9947671
                        A2 19990923
                                                         95p
 ΑI
        WO 1999-IB495
                            19990312
 PRAI
        US 1998-77997
                            19980313
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        English
 OS
        1999-590975 [50]
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        Sense PCR primer for cloning of
                                                 ***human***
                                                                 homologue of M Sema H.
 L4
        ANSWER 106 OF 441
                              DRUGU COPYRIGHT 2004 THOMSON DERWENT on STN
        2001-23529
 AN
                     DRUGU
                                Р
        FGF and VEGF function in angiogenesis: signalling pathways, biological
 ΤI
        responses and therapeutic inhibition.
ΑU
        Cross M J; Claesson Welsh L
CS
        Univ.Uppsala
LO
        Uppsala, Swed.
        Trends Pharmacol.Sci. (22, No. 4, 201-07, 2001) 2 Fig. 3 Tab. 80 Ref. CODEN: TPHSDY ISSN: 0165-6147
SO
       Dept of Genetics and Pathology, Rudbeck Laboratory, Uppsala University, Dag Hammarskjoldsvag 20, 751 85 Uppsala, Sweden. (L.C.W.). (e-mail:
AV
        lena.welsh@genpat.uu.se).
LΑ
        English
DT
        Journal
       AB; LA; CT
FA
FS
       Literature
L4
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                             EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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\mathbf{AN}
      2004144026
                    EMBASE
ΤI
             ***human***
      The
                              dihydropyrimidinase-related protein 2 (DRP-2) gene on
      chromosome 8p21 is associated with paranoid-type schizophrenia.
      Nakata K.; Ujike H.

K. Nakata, Department of Neuropsychiatry, Okayama Univ. Grad. Sch.

Med./Dent., 2-5-1, Shikata-cho, Okayama, 700-8558, Japan
ΑU
CS
      Japanese Journal of Neuropsychopharmacology, (2004) 24/1 (33-37).
SO
      Refs: 39
      ISSN: 1340-2544 CODEN: YSKODB
CY
      Japan
DT
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FS
      005
               General Pathology and Pathological Anatomy
      022
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      032
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LΑ
      Japanese
SL
      English; Japanese
L4
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AN
      2004056294
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TI
        ***Collapsin***
                              Response Mediator Proteins (CRMPs): Involvement in
      Nervous System Development and Adult Neurodegenerative Disorders.
      Charrier E.; Reibel S.; Rogemond V.; Aguera M.; Thomasset N.; Honnorat J.
J. Honnorat, Inst. Natl. S. la Rech. Med. U 433, Hopital Neurologique, 59
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     J. Honnorat, Inst. Nati. S. la Rech. Med. U 433, Hopital Bd Pinel, 69003 Lyon, France. jerome.honnorat@chu-lyon.fr Molecular Neurobiology, (2003) 28/1 (51-63).
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      Refs: 92
      ISSN: 0893-7648 CODEN: MONBEW
CY
      United States
DT
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      005
               General Pathology and Pathological Anatomy
      800
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      021
               Developmental Biology and Teratology
      029
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LΑ
      English
SL
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      ANSWER 109 OF 441
L4
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      RESERVED. on STN
      2004031272
AN
                   EMBASE
      Aberrant expression of dihydropyrimidinase related proteins-2,-3 and -4 in
TΙ
      fetal Down Syndrome brain.
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Weitzdoerfer R.; Fountoulakis M.; Lubec G.

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Gurtel 18, A-1090 Vienna, Austria. gert.lubec@akn-wien.ac.at
       Journal of Neural Transmission, Supplement, (2001) -/61 (95-107).
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       ISSN: 0303-6995
                           CODEN: JNTSD4
 CY
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 DT
       Journal; Article
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       800
                Neurology and Neurosurgery
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       029
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L4
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                              EMBASE
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AN
       2004013127
                     EMBASE
 TI
      Paraneoplastic movement disorder in a patient with non-Hodgkin's lymphoma
       and CRMP-5 autoantibody.
      Samii A.; Dahlen D.D.; Spence A.M.; Maronian N.C.; Kraus E.E.; Lennon V.A.
ΑU
      Dr. A. Samii, Department of Neurology, VA Puget Sound Health Care System, 1660 S. Columbian Way, Seattle, WA 98108, United States.
CS
       asamii@u.washington.edu
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      Movement Disorders, (2003) 18/12 (1556-1558).
      Refs: 18
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                           CODEN: MOVDEA
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      008
                Neurology and Neurosurgery
      016
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      025
      026
                Immunology, Serology and Transplantation
      037
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                Adverse Reactions Titles
      English
LA
SL
      English
L4
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      Paraneoplastic limbic encephalitis (PLE) and chorea associated with CRMP-5
      neuronal antibody.
      Kinirons P.; Fulton A.; Keoghan M.; Brennan P.; Farrell M.A.; Moroney J.T. Dr. J.T. Moroney, Dept. of Clinical Neurosciences, Beaumont Hospital, Dublin 9, Ireland. joantm@gofree.indigo.ie
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      ISSN: 0028-3878
                           CODEN: NEURAI
      United States
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FS
                Internal Medicine
      800
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LΑ
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L4
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AN
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      Expression and regulation of the novel vascular endothelial growth factor
      receptor neuropilin-1 by epidermal growth factor in
                                                                        ***human***
      pancreatic carcinoma.
      Parikh A.A.; Biao Liu W.; Fan F.; Stoeltzing O.; Reinmuth N.; Bruns C.J.;
ΑU
      Bucana C.D.; Evans D.B.; Ellis L.M.
Dr. L.M. Ellis, Department of Surgical Oncology, Box 444, Univ. TX M. D.
Anderson Cancer Ctr., 1515 Holcombe Boulevard, Houston, TX 77030-4009,
United States. lellis@mdanderson.org
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      ISSN: 0008-543X CODEN: CANCAR
CY
      United States
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FS
                General Pathology and Pathological Anatomy
      005
      016
                Cancer
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LΑ
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ΑN
         2003270TT7
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 TI
           ***Collapsin***
                                      response mediator proteins of neonatal rat brain
         interact with chondroitin sulfate.
        Franken S.; Junghans U.; Rosslenbroich V.; Baader S.L.; Hoffmann R.; Gieselmann V.; Viebahn C.; Kappler J.
J. Kappler, Inst. fur Physiologische Chemie, Nussallee 11, D-53115 Bonn,
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        Germany. kappler@institut.physiochem.uni-bonn.de
Journal of Biological Chemistry, (31 Jan 2003) 278/5 (3241-3250).
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        ISSN: 0021-9258
                                CODEN: JBCHA3
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        United States
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        Journal; Article
 FS
        021
                    Developmental Biology and Teratology
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        English
English
 LΑ
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 L4
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 AN
        2003232172
                         EMBASE
 TI
        Navigating the paraneoplastic neurological syndromes.
ΑU
        Giannopoulou C.
        C. Giannopoulou, Institute of Nuclear Medicine, UCL, Middlesex Hospital, Mortimer Street, London W1T 3AA, United Kingdom. harisg@otenet.gr
European Journal of Nuclear Medicine and Molecular Imaging, (1 Mar 2003)
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       30/3 (333-338).
Refs: 26
ISSN: 1619-7070 CODEN: EJNMA6
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        Germany
DT
        Journal; Editorial
FS
        800
                   Neurology and Neurosurgery
        023
                   Nuclear Medicine
LА
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L4
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ΑN
        2003180332
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       Markers of cellular proliferation are expressed in cortical tubers.
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Parent J.; Weiner H.L.; Crino P.B.
Dr. P.B. Crino, Department of Neurology, University of Pennsylvania, 3
West Gates Bldg., 3400 Spruce St., Philadelphia, PA 19104, United States.
TΙ
AU
CS
       crinop@mail.med.upenn.edu
SO
       Annals of Neurology, (1 May 2003) 53/5 (668-673).
       Refs: 20
        ISSN: 0364-5134
                               CODEN: ANNED3
       United States
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DT
       Journal; Article
FS
                   Neurology and Neurosurgery
       English
LΑ
\operatorname{SL}
       English
L4
       ANSWER 116 OF 441
                                  EMBASE
                                               COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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AN
       2003111964
                        EMBASE
          ***Collapsin***
ΤI
                                    response mediator protein-1: A novel
       invasion-suppressor gene.
Shih J.-Y.; Lee Y.-C.G.; Yang S.-C.; Hong T.-M.; Huang C.-Y.F.; Yang P.-C. P.-C. Yang, Department of Internal Medicine, National Taiwan University Hospital, 7 Chung-Shan South Road, Taipei 100, Taiwan, Province of China.
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       pcyang@ha.mc.ntu.edu.tw
       Clinical and Experimental Metastasis, (2003) 20/1 (69-76).
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       ISSN: 0262-0898 CODEN: CEXMD2
CY
       Netherlands
DT
       Journal; General Review
FS
       016
                   Cancer
       029
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LΑ
       English
\operatorname{SL}
       English
L4
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ΑN
       2003059335
                        EMBASE
       Molecular characterization of a metastatic neuroendocrine cell cancer
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       Refs: 89
       ISSN: 0021-9258
                            CODEN: JBCHA3
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       United States
 DT
       Journal; Article
 FS
                  General Pathology and Pathological Anatomy
       005
       016
                  Cancer
       028
                  Urology and Nephrology
 LΑ
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 SL
       English
L4
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       Mitsui N.; Inatome R.; Takahashi S.; Goshima Y.; Yamamura H.; Yanagi S. S. Yanagi, Division of Proteomics, Department of Genome Sciences, Kobe Univ. Grad. School of Medicine, Chuo-ku, Kobe 650-0017, Japan.
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       syanagi@kobe-u.ac.jp
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       Refs: 29
       ISSN: 0261-4189
                             CODEN: EMJODG
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       United Kingdom
DT
       Journal; Article
FS
                 Clinical Biochemistry
       029
LΑ
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SL
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L4
       ANSWER 119 OF 441
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                                         COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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AN
       2001437912
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ΤI
       Gene expression analysis in
                                              ***human***
                                                                monocytes, monocyte-derived
       dendritic cells, and .alpha.-galactosylceramide-pulsed monocyte-derived
       dendritic cells.
      Lapteva N.; Nieda M.; Ando Y.; Nicol A.; Ide K.; Yamaura A.; Hatta-Ohashi
ΑU
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M. Nieda, Laboratory of Molecular Immunology, MEDINET Co., Ltd., 4-20-18
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      Seta, Setagaya, Tokyo 158-0095, Japan. nieda@medinet-inc.co.jp
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       (531-538).
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       ISSN: 0006-291X CODEN: BBRCA
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                 Immunology, Serology and Transplantation Clinical Biochemistry
      026
      029
LΑ
      English
SL
      English
L4
      ANSWER 120 OF 441
                              EMBASE
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AN
      2001388958
                      EMBASE
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      Paraneoplastic optic neuropathy and cerebellar ataxia with small cell
      carcinoma of the lung.
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      Thambisetty M.R.; Scherzer C.R.; Yu Z.; Lennon V.A.; Newman N.J.
      Dr. N.J. Newman, Neuro-Ophthalmology Unit, Emory Eye Center, 1365-B Clifton Road NE, Atlanta, GA 30322, United States. ophtnjn@emory.edu
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      Refs: 14
ISSN: 1070-8022 CODEN: JNEOEK
CY
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FS
                 Neurology and Neurosurgery
                 Ophthalmology
      012
                 Chest Diseases, Thoracic Surgery and Tuberculosis
      015
      016
                 Cancer
LΑ
      English
      English
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m SL}
L4
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       Griesmann G.E.
       Dr. J. Honnorat, Neurologie B, Hopital Neurologique, Lyon, France Annals of Neurology, (2001) 50/5 (688-691).
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       ISSN: 0364-5134 CODEN: ANNED3
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 FS
       005
                 General Pathology and Pathological Anatomy
       800
                Neurology and Neurosurgery
Immunology, Serology and Transplantation
       026
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       English
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                              EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
       ANSWER 122 OF 441
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 AN
       2001322730
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 TI
       Isolation and expression pattern of
                                                     ***human***
                                                                      Unc-33-like
       phosphoprotein 6/ ***collapsin***
                                                    response mediator protein 5
       (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-sensitive
       oligodendrocytes.
      Ricard D.; Rogemond V.; Charrier E.; Aguera M.; Bagnard D.; Belin M.; Thomasset N.; Honnorat J.
 ΑU
      Dr. J. Honnorat, Hopital Neurologique, 59 Boulevard Pinel, 69394 Lyon
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       Cedex 03, France. honnorat@cismsun.univ-lyon1.fr
 SO
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       ISSN: 0270-6474
                           CODEN: JNRSDS
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DT
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                Anatomy, Anthropology
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FS
       001
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      029
LA
      English
SL
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L4
      ANSWER 123 OF 441
                            EMBASE
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TI
      Fulminant autoimmune cortical encephalitis associated with thymoma treated
      with plasma exchange.
      Rickman O.B.; Parisi J.E.; Yu Z.; Lennon V.A.; Vernino S. Dr. S. Vernino, Department of Neurology, Mayo Clinic, 200 First St SW, Rochester, MN 55905, United States. verns@mayo.edu Mayo Clinic Proceedings, (2000) 75/12 (1321-1326).
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      ISSN: 0025-6196 CODEN: MACPAJ
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      United States
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      800
                Neurology and Neurosurgery
      016
                Cancer
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LA
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SL
      English
      ANSWER 124 OF 441 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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ΑN
      2000287592
                    EMBASE
ΤI
         ***Semaphorin***
                                SEMA3F localization in malignant
                                                                           ***human***
                                                                                            lung
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      Brambilla E.; Constantin B.; Drabkin H.; Roche J.
ΑU
      Prof. J. Roche, IMBIG, Universite de Poitiers, 40 avenue du Recteur Pineau, 86022 Poitiers Cedex, France. joelle.roche@campus.univ-poitiers.fr American Journal of Pathology, (2000) 156/3 (939-950).
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      005
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      029
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LA
      English
SL
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L4
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T.T
       Molecular basis or
                                 ***semapnorin***
                                                       -mediated axon guidance.
 ΑU
       Nakamura F.; Kalb R.G.; Strittmatter S.M.
       S.M. Strittmatter, Department of Neurology, Section of Neurobiology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520,
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       United States. stephen.strittmatter@yale.edu
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       Refs: 70
ISSN: 0022-3034
                            CODEN: JNEUBZ
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       Journal; General Review
                Anatomy, Anthropology, Embryology and Histology
Neurology and Neurosurgery
Developmental Biology and Teratology
 FS
       008
       021
       029
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 LA
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 SL
       English
L4
      ANSWER 126 OF 441
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AN
       2000224319
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TI
                          ***collapsin***
      Evidence that
                                                 response mediator protein-2 is involved
       in the dynamics of microtubules.
      Gu Y.; Ihara Y.
ΑU
          Ihara, Dept. of Neuropathology, Faculty of Medicine, University of
CS
      Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan. yihara@m.u-
      tokyo.ac.jp
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L4
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                         ***semaphorins***
                                                  in axon guidance and neuronal
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      Goshima Y.; Sasaki Y.; Nakayama T.; Ito T.; Kimura T. Y. Goshima, Department of Pharmacology, Yokohama City University, School of Medicine, Yokohama 236-0004, Japan
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                           CODEN: JJPAAZ
CY
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      Journal; General Review
FS
                Clinical Biochemistry
      029
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General Pathology and Pathological Anatomy
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                Pharmacology
LA
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      English
L4
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TI
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      Renzi M.J.; Feiner L.; Koppel A.M.; Raper J.A.
Dr. J.A. Raper, University of Pennsylvania, School of Medicine, 215
Stemmler Hall, 36th and Hamilton Walk, Philadelphia, PA 19104, United
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CY
      United States
DT
      Journal; Article
               Neurology and Neurosurgery Clinical Biochemistry
FS
      008
      029
LΑ
      English
SL
      English
      ANSWER 129 OF 441
L4
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AN
       2000141648
                    EMBASE
      Neurofibrillary tangle-associated ***collapsin*** response mediate protein-2 (CRMP-2) is highly phosphorylated on Thr-509, Ser-518, and
 TI
                                                                    response mediator
       Ser-522.
      Gu Y.; Hamajima N.; Ihara Y.
Y. Ihara, Department of Neuropathology, Faculty of Medicine, University of
Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan. yihara@m.u-
 ΑU
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       tokyo.ac.jp
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       Biochemistry, (18 Apr 2000) 39/15 (4267-4275).
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       ISSN: 0006-2960
                         CODEN: BICHAW
 CY
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               General Pathology and Pathological Anatomy
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      029
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 LΑ
      English
 SL
      English
L4
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      Comparative proteome analysis of the hippocampus implicates chromosome 6q
ΤI
      in schizophrenia.
      Edgar P.F.; Douglas J.E.; Cooper G.J.S.; Dean B.; Kydd R.; Fauli R.L.M.
ΑU
      P.F. Edgar, School of Biological Sciences, University of Auckland,
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      Auckland, New Zealand
SO
      Molecular Psychiatry, (2000) 5/1 (85-90).
      Refs: 30
ISSN: 1359-4184 CODEN: MOPSFQ
      United Kingdom
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      800
FS
               Neurology and Neurosurgery
               Human Genetics
      022
      032
               Psychiatry
LΑ
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SL
      English
L4
      ANSWER 131 OF 441
                           EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
      RESERVED. on STN
      1999429947
AN
                   EMBASE
      Expression of the dihydropyrimidinase related protein 2 (DRP-2) in Down
TI
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      dysregulated at the protein level.
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      Prof. G. Lubec, Department of Pediatrics, University of Vienna, Wahringer
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      Gurtel 18-20, A-1090 Vienna, Austria. gert.lubec@akh-wien.ac.at
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FS
      005
               General Pathology and Pathological Anatomy
      800
               Neurology and Neurosurgery
      029
               Clinical Biochemistry
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      English
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     D.S. Bredt, Department of Physiology, Univ. of California, San Francisco,
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ISSN: 0896-6273
                        CODEN: NERNET
CY
     United States
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     800
              Neurology and Neurosurgery
Clinical Biochemistry
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       ANSWER 133 OF 441
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                                                         ***human***
                                                                          fetal heart.
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       Partanen T.A.; Makinen T.; Arola J.; Suda T.; Weich H.A.; Alitalo K.
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       Dr. K. Alitalo, Molecular/Cancer Biology Laboratory, Haartman Institute, University of Helsinki, Haartmaninkatu 3, FIN-00014 Helsinki, Finland.
       kari.alitalo@helsinki.fi
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       Circulation, (10 Aug 1999) 100/6 (583-586).
       Refs: 20
       ISSN: 0009-7322
                           CODEN: CIRCAZ
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 FS
       018
                 Cardiovascular Diseases and Cardiovascular Surgery
       021
                Developmental Biology and Teratology
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                Pharmacology
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       English
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       English
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ΤI
         ***Collapsin***
                                   ***semaphorin*** D is a repellent for chick
                              -1/
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      Shepherd I.T.; Raper J.A.
I.T. Shepherd, Department of Biological Structure, Box 357420, University of Washington, Seattle, WA 98195, United States. iain@u.washington.edu Developmental Biology, (1 Aug 1999) 212/1 (42-53).
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      ISSN: 0012-1606
                          CODEN: DEBIAO
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CY
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FS
      001
                Anatomy, Anthropology, Embryology and Histology
      021
                Developmental Biology and Teratology
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      English
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      ANSWER 135 OF 441
                             EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
      RESERVED. on STN
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      1999143512
                    EMBASE
      Cloning and expression pattern of a murine
TI
                                                             ***semaphorin***
                                                                                    homologous
      to H- sema IV.
ΑU
      Eckhardt F.; Meyerhans A.
      F. Eckhardt, Inst. of Med. Microbiology/Hygiene, Department of Virology,
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      University of the Saarland, 66421 Homburg, Germany NeuroReport, (1 Dec 1998) 9/17 (3975-3979).
SO
      Refs: 26
ISSN: 0959-4965 CODEN: NERPEZ
CY
      United Kingdom
DT
      Journal; Article
FS
                Physiology
      002
      008
                Neurology and Neurosurgery
LA
      English
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      Formation of lamina-specific synaptic connections.
      Sanes J.R.; Yamagata M.
J.R. Sanes, Department Anatomy and Neurobiology, Washington University
Medical School, 660 South Euclid Avenue, St Louis, MO 63110, United
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CS
      States. sanesj@thalamus.wustl.edu
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      Current Opinion in Neurobiology, (1999) 9/1 (79-87).
      Refs: 68
      ISSN: 0959-4388
                          CODEN: COPUEN
CY
      United Kingdom
DT
      Journal; General Review
FS
               Neurology and Neurosurgery
      800
                Ophthalmology
      012
      021
               Developmental Biology and Teratology
LΑ
      English
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 ΤI
          ***Collapsin***
                                response mediator protein-2 is associated with
       neurofibrillary tangles in Alzheimer's disease.
       Yoshida H.; Watanabe A.; Ihara Y.
 ΑU
       Y. Ihara, Dept. of Neuropathology, Faculty of Medicine, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan. yihara@m.u.-
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       tokyo.ac.jp
Journal of Biological Chemistry, (17 Apr 1998) 273/16 (9761-9768).
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       Refs: 46
       ISSN: 0021-9258
                           CODEN: JBCHA3
 CY
       United States
 DT
       Journal; Article
 FS
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                 Neurology and Neurosurgery
       029
                 Clinical Biochemistry
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       ANSWER 138 OF 441
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       RESERVED. on STN
ΑN
       1998115218
                     EMBASE
      Anatomical distribution of the chemorepellent
 TI
                                                                   ***semaphorin***
       ***collapsin*** - 1 in the adult rat and ***human*** brain:
Predominant expression in structures of the olfactory-hippocampal pathway
       and the motor system.
      Giger R.J.; Pasterkamp R.J.; Heijnen_S.; Holtmaat A.J.G.D.; Verhaagen J.
ΑU
      J. Verhaagen, Netherlands Inst. for Brain Research, Meibergdreef 33, 1105 AZ Amsterdam ZO, Netherlands. j.verhaagen@nih.knaw.nl
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SO
      Journal of Neuroscience Research, (1 Apr 1998) 52/1 (27-42).
      Refs:
       ISSN: 0360-4012 CODEN: JNREDK
      United States
CY
DT
       Journal; Article
FS
                Anatomy, Anthropology, Embryology and Histology
       008
                Neurology and Neurosurgery
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ΤI
      Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-
      specific receptor for vascular endothelial growth factor.
Soker S.; Takashima S.; Hua Quan Miao; Neufeld G.; Klagsbrun M.
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      Cell, (20 Mar 1998) 92/6 (735-745).
      Refs: 60
      ISSN: 0092-8674
                           CODEN: CELLB5
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      029
                Clinical Biochemistry
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      RESERVED. on STN
AN
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                     EMBASE
TI
      [Chromosome 3p, tumor suppressors and new
                                                             ***semaphorin***
                                                                                     genes at
      CHROMOSOME 3P, GENES SUPPRESSEURS DE TUMEURS ET GENES DE SEMAPHORINES EN
ΑU
      Roche J.; West J.; Gemmill R.; Drabkin H.
      Prof. J. Roche, IBMIG, Universite de Poitiers, 40 avenue du Recteur-Pineau, 86022 Poitiers Cedex, France
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      Medecine/Sciences, (1998) 14/3 (283-290).
      Refs: 46
      ISSN: 0767-0974 CODEN: MSMSE4
CY
      France
DT
      Journal; Article
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                Cancer
      016
      022
                Human Genetics
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       ANSWER 141 OF 441
       RESERVED. on STN
       97309410
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 ΤI
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                                                  ***semaphorin***
                                                                            domain activates
       specific cellular response of ***semaphorin*** family members. Koppel A.M.; Feiner L.; Kobayashi H.; Raper J.A. J.A. Raper, Department of Neuroscience, University of PA School of
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       ISSN: 0896-6273 CODEN: NERNET
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       United States
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                 Neurology and Neurosurgery
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       English
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       ANSWER 142 OF 441
                              EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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AN
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       Neuropilin is a receptor for the axonal chemorepellent
                                                                              ***semaphorin***
       III.
      He Z.; Tessier-Lavigne M. Z. He, Department of Anatomy, Dept. of Biochemistry and Biophysics,
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      University of California, San Francisco, CA 94143-0452, United States Cell, (1997) 90/4 (739-751).
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       ISSN: 0092-8674
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                Clinical Biochemistry
       029
LΑ
      English
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      English
      ANSWER 143 OF 441 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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AN
      96259200
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ΤI
      Novel gene families involved in neural pathfinding.
      Muller B.K.; Bonhoeffer F.; Drescher U.
ΑU
      Department of Physical Biology, M. Planck Inst. Entwicklungsbiologie,
CS
      Spemannstrasse 35-I,72076 Tubingen, Germany
SO
      Current Opinion in Genetics and Development, (1996) 6/4 (469-474).
      ISSN: 0959-437X
                           CODEN: COGDET
CY
      United Kingdom
DT
      Journal; (Short Survey)
FS
                Neurology and Neurosurgery
      008
      021
                Developmental Biology and Teratology
      022
                Human Genetics
      029
                Clinical Biochemistry
LA
      English
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      English
      ANSWER 144 OF 441 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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      RESERVED. on STN
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      96145086
                  EMBASE
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      1996145086
ΤI
         ***Human***
                            ***semaphorins*** A(V) and IV reside in the 3p21.3
      small cell lung cancer deletion region and demonstrate distinct expression
      patterns.
ΑU
      Sekido Y.; Bader S.; Latif F.; Chen J.-Y.; Duh F.-M.; Wei M.-H.; Albanesi
     J.P.; Lee C.-C.; Lerman M.I.; Minna J.D.

HCTOR, UT Southwestern Medical Center, Dallas, TX 75235, United States Proceedings of the National Academy of Sciences of the United States of America, (1996) 93/9 (4120-4125).

ISSN: 0027-8424 CODEN: PNASA6
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                Cancer
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 AN
       96075513
                   EMBASE
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       1996075513
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                              ***human***
                                                 ***semaphorin***
                                                                         III/F gene (SEMA3F)
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Kerbacher K.; Van den Berg A.; Veldhuis P.; Buys C.H.C.M.; Naylor S.L.
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      Dept. of Cellular/Structural Biology, Univ. of Texas Health Science Center, San Antonio, TX 78284-7762, United States Genomics, (1996) 32/1 (39-48).
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       ISSN: 0888-7543
                           CODEN: GNMCEP
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       United States
 DT
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                Cancer
       021
                Developmental Biology and Teratology
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                Human Genetics
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                              EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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ΑN
                  EMBASE
      94260350
DN
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      Axon guidance by diffusible repellants and attractants.
ΤI
ΑU
      Tessier-Lavigne M.
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      Program Cell Developmental Biology, University of California, San
      Francisco, CA 94143-0452, United States
SO
      Current Opinion in Genetics and Development, (1994) 4/4 (596-601).
      ISSN: 0959-437X CODEN: COGDET
CY
      United Kingdom
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                Developmental Biology and Teratology
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                Human Genetics
      029
                Clinical Biochemistry
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      ANSWER 147 OF 441
                             EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS
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AN
      94020456
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      1994020456
ΤI
             ***Semaphorin***
      The
                                    genes encode a family of transmembrane and
      secreted growth cone guidance molecules.
      Kolodkin A.L.; Matthes D.J.; Goodman C.S.
Department of Molecular/Cell Biology, Howard Hughes Medical Institute,
University of California, Berkeley, CA 94720, United States
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      Cell, (1993) 75/7 (1389-1399).
SO
      ISSN: 0092-8674
                          CODEN: CELLB5
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                Clinical Biochemistry
FS
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SL
      English
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       on STN
AN
       2004018465
                       ESBIOBASE
       Aberrant expression of dihydropyrimidinase related proteins-2,-3 and -4 in fetal Down Syndrome brain
TI
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       Weitzdoerfer R.; Fountoulakis M.; Lubec G.
       Dr. G. Lubec, Department of Pediatrics, University of Vienna, Wahringer Gurtel 18, A-1090 Vienna, Austria.
CS
       E-mail: gert.lubec@akh-wien.ac.at
       Journal of Neural Transmission, Supplement, (2001), -/61 (95-107), 33
SO
       reference(s)
       CODEN: JNTSD4
                        ISSN: 0303-6995
DT
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CY
       Austria
LΑ
       English
SL
       English
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       on STN
AN
       2003198674
                       ESBIOBASE
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       Expression and regulation of the novel vascular endothelial growth factor
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- Dr. L.M. Ellis, Department of Surgical Oncology, Box 444, Univ. TX M. D. Anderson Cancer Ctr., 1515 Holcombe Boulevard, Houston, TX 77030-4009, CS United States.

E-mail: lellis@mdanderson.org Cancer, (15 AUG 2003), 98/4 (720-729), 39 reference(s) SO

CODEN: CANCAR ISSN: 0008-543X

DT Journal; Article CYUnited States

LΑ English

- SLEnglish
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AN2001208013 ESBIOBASE

- Isolation and expression pattern of phosphoprotein 6/ ***collapsin*** TI ***human*** Unc-33-like response mediator protein 5 (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-sensitive oligodendrocytes
- Ricard D.; Rogemond V.; Charrier E.; Aguera M.; Bagnard D.; Belin M.; Thomasset N.; Honnorat J. AU
- Dr. J. Honnorat, Hopital Neurologique, 59 Boulevard Pinel, 69394 Lyon CS Cedex 03, France. E-mail: honnorat@cismsun.univ-lyon1.fr
- SO Journal of Neuroscience, (15 SEP 2001), 21/18 (7203-7214), 57 reference(s) CODEN: JNRSDS ISSN: 0270-6474

DT Journal; Article

CYUnited States

LΑ English SLEnglish

L4ANSWER 151 OF 441 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V. on STN

2000186082 ANESBIOBASE

TI ***Semaphorin*** SEMA3F localization in malignant ***human*** lung and cell lines: A suggested role in cell adhesion and cell migration AII

Brambilla E.; Constantin B.; Drabkin H.; Roche J. Prof. J. Roche, IMBIG, Universite de Poitiers, 40 avenue du Recteur Pineau, 86022 Poitiers Cedex, France. CS

E-mail: joelle.roche@campus.univ-poitiers.fr American Journal of Pathology, (2000), 156/3 (939-950), 63 reference(s) SO CODEN: AJPAA4 ISSN: 0002-9440

DT Journal; Article United States CY

LA English

SLEnglish

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AN2000147270 ESBIOBASE

TI ***collapsin*** Evidence that response mediator protein-2 is involved in the dynamics of microtubules

ΑU Gu Y.; Ihara Y.

- Y. Ihara, Dept. of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan. CS
- E-mail: yihara@m.u-tokyo.ac.jp Journal of Biological Chemistry, (16 JUN 2000), 275/24 (17917-17920), 18 SO reference(s) CODEN: JBCHA3 ISSN: 0021-9258

DT Journal; Article

CY United States

LA English SL English

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AN1999185465 ESBIOBASE

- TI Endothelial growth factor receptors in ***human*** fetal heart ΑU
- Partanen T.A.; Makinen T.; Arola J.; Suda T.; Weich H.A.; Alitalo K. Dr. K. Alitalo, Molecular/Cancer Biology Laboratory, Haartman Institute, University of Helsinki, Haartmaninkatu 3, FIN-00014 Helsinki, Finland. CS E-mail: kari.alitalo@helsinki.fi

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ISSN: 0009-7322
         CODEN: CIRCAZ
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         Journal; Article
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        ANSWER 154 OF 441 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
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         on STN
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                         ESBIOBASE
           ***Collapsin***
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                                        ***semaphorin***
                                                                D is a repellent for chick
        qanqlion of Remak axons
        Shepherd I.T.; Raper J.A.
 AU
 CS
        I.T. Shepherd, Department of Biological Structure, Box 357420, University
        of Washington, Seattle, WA 98195, United States.
        E-mail: iain@u.washington.edu
        Developmental Biology, (01 AUG 1999), 212/1 (42-53), 31 reference(s) CODEN: DEBIAO ISSN: 0012-1606
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        Journal; Article
CY
        United States
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        English
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        ANSWER 155 OF 441 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
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        on STN
AN
        1999094112
                         ESBIOBASE
TI
        Cloning and expression pattern of a murine
                                                                   ***semaphorin***
        homologous to H- sema IV
ΑU
        Eckhardt F.; Meyerhans A.
CS
        F. Eckhardt, Inst. of Med. Microbiology/Hygiene, Department of Virology, University of the Saarland, 66421 Homburg, Germany.
NeuroReport, (01 DEC 1998), 9/17 (3975-3979), 26 reference(s)
CODEN: NERPEZ ISSN: 0959-4965
        F. Eckhardt,
SO
DT
        Journal; Article
CY
        United Kingdom
LΑ
        English
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        English
        ANSWER 156 OF 441 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
L4
        on STN
        1998079058
AN
                         ESBIOBASE
        Anatomical distribution of the chemorepellent
TI
                                                                       ***semaphorin***
        ***collapsin*** - 1 in the adult rat and ***human*** brain:
Predominant expression in structures of the olfactory-hippocampal pathway
        and the motor system
        Giger R.J.; Pasterkamp R.J.; Heijnen S.; Holtmaat A.J.G.D.; Verhaagen J.
ΑU
CS
        J. Verhaagen, Netherlands Inst. for Brain Research, Meibergdreef 33, 1105 AZ Amsterdam ZO, Netherlands.
        E-mail: j.verhaagen@nih.knaw.nl
Journal of Neuroscience Research, (01 APR 1998), 52/1 (27-42), 75
SO
        reference(s)
        CODEN: JNREDK
                           ISSN: 0360-4012
        Journal; Article
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        United States
LΑ
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       ANSWER 157 OF 441 Elsevier BIOBASE COPYRIGHT 2004 Elsevier Science B.V.
L4
        on STN
AN
        1998076928
                        ESBIOBASE
       Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-
TI
       specific receptor for vascular endothelial growth factor
Soker S.; Takashima S.; Hua Quan Miao; Neufeld G.; Klagsbrun M.
M. Klagsbrun, Department of Pathology, Children's Hospital, Harvard
Medical School, Boston, MA 02115, United States.
Cell, (20 MAR 1998), 92/6 (735-745), 60 reference(s)
ΑU
CS
SO
       CODEN: CELLB5
                           ISSN: 0092-8674
DT
       Journal; Article
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       United States
LΑ
       English
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Brain CRMP forms heterotetramers similar to liver dihydropyrimidinase

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Dr. S.M. Strittmatter, Department of Neurology, Yale University School of Medicine, 333 Cedar Street, New Haven, CT 06520, United States. Journal of Neurochemistry, (1997), 69/6 (2261-2269), 21 reference(s) CODEN: JONRAO ISSN: 0022-3042
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          United States
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          English
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          English
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L4
          on STN
AN
          1996081439
                              ESBIOBASE
          ***Human*** ***semaphorins*** A(V) and IV reside in the 3p21.3 small cell lung cancer deletion region and demonstrate distinct
TI
          expression patterns
          Sekido Y.; Bader S.; Latif F.; Chen J.-Y.; Duh F.-M.; Wei M.-H.; Albanesi
ΑU
          J.P.; Lee C.-C.; Lerman M.I.; Minna J.D.
CS
          Y. Sekido, HCTOR, UT Southwestern Medical Center, Dallas, TX 75235,
          United States.
          Proceedings of the National Academy of Sciences of the United States of America, (1996), 93/9 (4120-4125)
CODEN: PNASA6 ISSN: 0027-8424
SO
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          Journal; Article
CY
          United States
LΑ
          English
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          English
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        ANSWER 160 OF 441
                                      IFIPAT COPYRIGHT 2004 IFI on STN
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TI
         NUCLEIC ACIDS ENCODING CD100 MOLECULES
         Boussiotis Vassiliki A; Freeman Gordon J; Hall Kathryn T; Nadler Lee M;
IN
          Schultze Joachim L
PA
         Dana-Farber Cancer Institute Inc (11804)
ΡI
         US 2003158402
                                 A1
                                         20030821
AΙ
         US 2002-320769
                                         20021216
         US 1995-556422
US 2003158402
RLI
                                         19951109 CONTINUATION
                                                                                             6576754
FI
                                         20030821
         US 6576754
Utility; Patent Application - First Publication
CHEMICAL
DT
FS
         APPLICATION
CLMN
GΙ
           15 Figure(s).
        FIG. 1 is the nucleotide sequence of a 4.2 kb cDNA encoding full length ***human*** CD100 (SEQ ID NO: 1).
        FIG. 2 is the predicted full length amino acid sequence of
                                                                                                         ***human***
         CD100 (SEQ ID NO: 2) aligned for comparison to the ***semaphorin*** and Ig domains of ***Human*** ***semaphorin*** III (H-sema III)
          (SEQ ID NO: 3) and Mouse
                                                   ***semaphorin***
                                                                                  C (M-Sema C)
         4). The regions of identity are boxed. The putative signal sequence is underlined; the sema domain is delimited by *; the gray box indicates the Ig-like domain; the transmembrane region is double-underlined; and the putative tyrosine phosphorylation site KPALTGY (SEQ ID NO: 5) (MAC Pattern: GenBank accession number PS00007) in the cytoplamic tail is
                                                                                                       (SEQ ID NO:
         boxed.
       FIG. 3 is a schematic representation of the structure of
                                                                                                     ***human***
         CD100 indicating the different domains and the tyrosine phosphorylation
       site (Y).

FIG. 4 represents a sequence comparison between the amino acid sequence of 
***collapsin*** 4 (top sequence) and the amino acid sequence of a 
fragment of ***human*** CD100 (bottom sequence).
       FIG. 5 is a graphic representation of the result of flow cytometry analyses of COS cells transiently transfected with a CD100 cDNA (CD100), pCDM8 vector alone (Vector), and B7-1 cDNA (B7-1) and stained with the anti-CD100 antibodies BD16, F93G2, and BB18; and with the isotype matched
         B7-1 antibody B1.1.
       FIG. 6 is a photograph of a Western blot showing that the antiCD100
         antibody BB18 immunoprecipitates a 150 kDa protein from CHO cells
         transfected with a CD100 cDNA (CHO-CD100) and from activated T cells, but
       not from non-transfected CHO cells (CHO).
FIG. 7 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in activated B cells (Act. B), Raji cells
       (Raji), and activated T cells (Act. T).
FIG. 8 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in different tissues.
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immunostained with a CDIOU monocional antibody (FIG. 9a), a CD2U monoclonal antibody (FIG. 9b) and a CD3 monoclonal antibody (FIG. 9c). FIG. 9d represents an hematoxylin and eosin stained section of lymphoid
        tissue showing a germinal center and mantle zone of a secondary lymphoie follicle with adjacent interfollicular T cell zone. All original
        magnifications: 100 x
    FIG. 10 are photographs depicting ***human*** splenic B cells cultured with mock transfected NIH-3T3 cells (t-mock) (FIG. 10a); CD40L transfected NIH-3T3 cells (tCD40L; FIGS. 10b and e); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (t-mock/tCD40L) (FIG. 10c) (CD100) transfected NIH-3T3 cells (t-mock) (CD100) transfected NIH-3T3 (CD1000) transfected NIH-3T3 (CD10000) transfected NIH-3
                                                                                                                                                                                   splenic B cells cultured
        10c), CD100 transfected NIH-3T3 cells (t-CD100) (FIG. 10d); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells (t-CD100 /t-CD40L)
        (FIG. 10f), showing that CD100 stimulates B cell homotypic aggregation
       and that this effect synergizes with CD40 stimulation.
   FIG. 11 depicts a histogram showing the number of viable ***human*** B cells (x 106) after incubation of 106 B cells for 72 hours with mock transfected NIH-3T3 cells (t-mock); CD100 transfected NIH-3T3 cells (t-CD100); CD40 transfected NIH-3T3 cells (t-CD40); 50% mock transfected not be conditioned to the condition of the condi
      and 50% CD40L transfected NIH-3T3 cells (t-mock/t-CD40L); and 50% CD100
      transfected and 50% CD40L transfected NIH-3T3 cells indicating that CD100
   and CD40L stimulation prolong B cell survival and that CD100 and CD40L synergistically stimulate B cell survival.

FIG. 12 is a graphic representation of a two color FACS analysis performed
      with anti-CD19 and anti-CD23 antibodies of
                                                                                                                                                                 ***human***
                                                                                                                                                                                                                      splenic B
      cells performed after 72 hours of co-culture with tmock/t-CD40L cells or
      t-CD100/t-CD40L showing that CD100 reduces expression of CD40L-induced
       CD23 expression.
  FIG. 13 depicts the results of proliferation assays of CD4+ T cells incubated in media alone, with an anti-CD3 antibody, with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-1 cDNA (t-B7-1), with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-2 cDNA (t-B7-2), and with an anti-CD3 antibody and NIH-3T3 cells transfected with a CD100 cDNA (tCD100) showing that CD100 is a T cell costimulatory
      molecule.
  FIG. 14 depicts the results of proliferation assays of CD4+ T cells
      incubated with and anti-CD3 antibody and 2 x 104 t-B7-1 cells and 0, 1 x
  104, 2 x 104, or 3 x 104 t-B7-1 or t-CD100 cells.

FIG. 15 depicts the results of proliferation assays of CD4+ T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-2 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-2 or t-CD100 cells.
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     NUCLEIC ACIDS ENCODING CD100 MOLECULES; WHICH STIMULATE A LEUKOCYTE
     RESPONSE, SUCH AS A B CELL RESPONSE, INCLUDING B CELL AGGREGATION, B CELL DIFFERENTIATION, B CELL SURVIVAL, AND/OR T CELL PROLIFERATION
     BOUSSIOTIS VASSILIKI A; FREEMAN GORDON J; HALL KATHRYN T; NADLER LEE M;
     SCHULTZE JOACHIM L
     Dana-Farber Cancer Institute Inc (11804)
     US 2003044416
                                                                           20030306
                                                         A1
     US 1995-556422
                                                                           19951109
     US 2003044416
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     US 6576754
                                                                           20030610
     Utility; Patent Application - First Publication
     CHEMICAL
     APPLICATION
     98
        15 Figure(s).
15 Figure(s).

FIG. 1 is the nucleotide sequence of a 4.2 kb cDNA encoding full length

***human*** CD100 (SEQ ID NO: 1).

FIG. 2 is the predicted full length amino acid sequence of ***human***

CD100 (SEQ ID NO: 2) aligned for comparison to the ***semaphorin***

and Ig domains of ***Human*** ***semaphorin*** III (H-sema III)

(SEQ ID NO: 3) and Mouse ***semaphorin*** C (M-Sema C) (SEQ ID NO:

4). The regions of identity are boxed. The putative signal sequence is underlined; the sema domain is delimited by *; the gray box indicates the Ig-like domain; the transmembrane region is double-underlined; and the putative tyrosine phosphorylation site KPALTGY (SEQ ID NO: 5) (MAC Pattern: GenBank accession number PS00007) in the cytoplamic tail is
     Pattern: GenBank accession number PS00007) in the cytoplamic tail is
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PIG. 5 is a graphic representation of the result of flow cytometry analyses of COS cells transiently transfected with a CD100 cDNA (CD100), pCDM8 vector alone (Vector), and B7-1 cDNA (B7-1) and stained with the anti-CD100 antibodies BD16, F93G2, and BB18; and with the isotype matched B7-1 antibody B1.1. FIG. 6 is a photograph of a Western blot showing that the antiCD100 antibody BB18 immunoprecipitates a 150 kDa protein from CHO cells transfected with a CD100 cDNA (CHO-CD100) and from activated T cells, but not from non-transfected CHO cells (CHO).
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FIG. 8 is a photograph of a Northern blot hybridization depicting the expression of CD100 mRNA in different tissues.

FIGS. 9a-c are photographs depicting cryostat sections of lymphoid tissue immunostained with a CD100 monoclonal antibody (FIG. 9a), a CD20 monoclonal antibody (FIG. 9b) and a CD3 monoclonal antibody (FIG. 9c).

FIG. 9d represents an hematoxylin and eosin stained section of lymphoid tissue showing a germinal center and mantle zone of a secondary lymphoie follicle with adjacent interfollicular T cell zone. All original magnifications: 100 x magnifications: 100 x magnifications: 100 x.

FIG. 10 are photographs depicting ***human*** splenic B cells cultured with mock transfected NIH-3T3 cells (t-mock) (FIG. 10a); CD40L transfected NIH-3T3 cells (t-CD40L; FIGS. 10b and e); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (t-mock/tCD40L) (FIG. 10c), CD100 transfected NIH-3T3 cells (t-CD100) (FIG. 10d); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells (t-CD100/t-CD40L) (FIG. 10f) showing that CD100 stimulates B cell homotypic aggregation (FIG. 10f), showing that CD100 stimulates B cell homotypic aggregation and that this effect synergizes with CD40 stimulation. FIG. 11 depicts a histogram showing the number of viable ***human* cells (x 106) after incubation of 106B cells for 72 hours with mock ***human*** transfected NIH-3T3 cells (t-mock); CD100 transfected NIH3T3 cells (t-CD100); CD40 transfected NIH-3T3 cells (t-CD40); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (tmock/t-CD40L); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells indicating that CD100 and CD40L stimulation prolong B cell survival and that CD100 and CD40L synergistically stimulate B cell survival. FIG. 12 is a graphic representation of a two color FACS analysis performed with anti-CD19 and anti-CD23 antibodies of ***human*** splenic B cells performed after 72 hours of co-culture with tmock/t-CD40L cells or t-CD100/t-CD40L showing that CD100 reduces expression of CD40L-induced CD23 expression. FIG. 13 depicts the results of proliferation assays of CD4+ T cells incubated in media alone, with an anti-CD3 antibody, with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-1 cDNA (t-B7-1), with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-2 cDNA (t-B7-2), and with an anti-CD3 antibody and NIH-3T3 cells transfected with a CD100 cDNA (tCD100) showing that CD100 is a T cell costimulatory molecule. FIG. 14 depicts the results of proliferation assays of CD4+ T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-1 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-1 or t-CD100 cells. IG. 15 depicts the results of proliferation assays of CD4+ T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-2 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-2 or t-CD100 cells. ANSWER 162 OF 441 ${ t IFIPAT}$ COPYRIGHT 2004 IFI on STN IFIPAT; IFIUDB; IFICDB ANTAGONISTS OF NEUROPILIN RECEPTOR FUNCTION AND USE THEREOF; NEUROPILIN ANTAGONIST THAT BINDS NEUROPILIN AND HAS VEGF ANTAGONIST ACTIVITY AS DETERMINED BY THE ***HUMAN*** UMBILICAL VEIN ENDOTHELIAL CELL PROLIFERATION ASSAY USING VEGF165; TREATMENT OF METASTATIC CANCER, AND ANGIOGENIC DISEASES. Klagsbrun Michael; Miao Hua-Quan; Soker Shay; Takashima Seiji (JP) Unassigned Or Assigned To Individual (68000) US 2002132774 Al 20020919 US 2002-104440 20020322 WO 1998-US26114 19981209 CONTINUATION UNKNOWN US 2000-580803 20000530 CONTINUATION **ABANDONED** US 1997-69155P 19971209 (Provisional) US 1997-69687P 19971212 (Provisional) US 1998-78541P 19980319 (Provisional) US 2002132774 20020919 Utility; Patent Application - First Publication CHEMICAL

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CLIMIN GΙ 31 Figure(s). FIG. 1 shows purification of VEGF165R From 231 Cells. 125IVEGF165 (5 ng/ml) was bound and cross-linked to receptors on 231 cells and analyzed by SDS PAGE and autoradiography (lane 1). VEGF165R was purified by Con A and VEGF165 affinity column chromatography and analyzed by SDS-PAGE and silver stain (lane 2). Two prominent bands were detected (arrows) and N-terminally sequenced separately. Their N-terminal 18 amino acid sequences are shown to the right of the arrows. The published N-terminal sequences of ***human*** and mouse neuropilin (Kawakami et al., J. Neurobiol, 29, 1-17 (1995); He and Tessier-Lavigne, Cell 90, 739-751 1997) are shown below (SEQ ID NOS: 5 and 6).
FIGS. 2A and 2B show isolation of VEGF165R cDNA by Expression Cloning. Photomicrographs (dark field illumination) of COS 7 cells binding 125I-VEGF165. 125I-VEGF165 was bound to transfected COS 7 cells which were then washed, fixed, and overlayed with photographic emulsion that was developed as described in the example, infra.

FIG. 2A shows COS 7 cells were transfected with a primary plasmid pool
(#55 of the 231 cell library) representing approximately 3 x 103 clones
and one COS 7 cell binding 125IVEGF165 in the first round of screening is shown. FIG. 2 shows several COS 7 cells transfected with a single positive cDNA clone (A2) binding 125I-VEGF165 after the third round of screening FIG. 3 shows the Deduced Amino Acid Sequence of ***Human*** VEGF165R NP-1 (SEQ ID NO: 3). The deduced 923 amino acid sequence of the open reading frame of VEGF165R/NP-1, clone A2 (full insert size of 6.5 kb) i shown. The putative signal peptide sequence (amino acids 1-21) and the putative transmembrane region (amino acids 860-883) are in boxes. The amino acid sequence obtained by N-terminal amino acid sequencing (FIG. amino acids 22-39) is underlined. The arrow indicates where the signal peptide has been cleaved and removed, based on comparison of the N-terminal sequence of purified VEGF166R/NP-1 and the cDNA sequence. The sequence of ***human*** VEGF165R/NP-1 reported here differs from that sequence of ***human*** VEGF165R/NP-1 and the cDNA sequence. The reported by He et al. (He and Tessier-Lavigne, Cell 90, 739-751 (1997)) in that we find Lys26 rather than Glu26, and Asp855 rather than Glu855 Lys26 and Asp855 are found, however, in mouse and rat VEGF165R/NP-1 (Kwakami et al., J. Neutrobiol. 29, 1-17 (1995); He and Tessier-Lavigne, Cell 90, 739-751 (1997)). FIG. 4 shows the Comparison of the Deduced Amino Acid Sequence of ***Human*** VEGF165R/NP-1 (SEQ ID NO: 2) and NP-2 (SEQ ID NO: 4). deduced open reading frame amino acid sequences of VEGF165R/ NP-1 and NP-2 are aligned using the DNASIS program. Amino acids that are identical in both open reading frames are shaded. The overall homology between the two sequences is 43%. FIG. 5 shows a Northern Blot Analysis of VEGF165R/NP-1 Expression in ***Human*** EC and Tumor-Derived Cell Lines. Total RNA samples of VEGF165R/NP-1 Expression in the samples of VEGF165R/NP-1 Expre EC and Tumor-Derived Cell Lines. Total RNA samples prepare from HUVEC (lane 1) and tumor-derived breast carcinoma, prostate carcinoma and melanoma cell lines as indicated (lanes 2-8) were resolved on a 1% agarose gel and blotted onto a GeneScreen nylon membrane. The membrane was probed with 32P-labeled VEGF165R/NP-1 cDNA and exposed to X-ray film. Equal RNA loading was demonstrated by ethydium bromide staining of the gel prior to blotting. A major species of VEGF165R/NP-1 mRNA of approximately 7 kb was detected in several of the cell lines.

FIG. 6 shows a Northern Blot Analysis of VEGF165R/NP-1 and KDR mRNA in Adult ***Human*** Tissues. A pre-made Northern blot membrane containing multiple samples of ***human*** mRNA (Clonetech) probed with 32P-labeled VEGF165R/NP-1 cDNA (top) as described in FIG. 5, and then stripped and reprobed with 32P-labeled KDR cDNA (bottom). FIGS. 7A and 7B show a Scatchard Analysis of VEGF165 binding to VEGF165R/NP-1. FIG. 7A. Increasing amounts of 125I-VEGF165 (0.150 ng/ml) mRNA (Clonetech) was were added to subconfluent cultures of PAE cells transfected with ***human*** VEGF 165R/NP-1 cDNA (PAE/NP-1 cells) in 48 well dishes. Non-specific binding was determined by competition with a 200-fold excess of unlabeled VEGF165. After binding, the cells were washed, lysed and the cell-associated radioactivity was determined using a gamma counter. FIG. 7B. The binding data shown in FIG. 7A were analyzed by the method of Scatchard, and a best fit plot was obtained with the LIGAND program (Munson and Rodbard, 1980). PAE/NP-1 cells express approximately 3 x 105 VEGF165 binding sites per cell and bind 125I-VEGF165 with a Kd of 3.2 x

FIG. 8 shows cross-linking of VEGF165 and VEGF121 to PAE cells Expressing VEGF165R/NP-1 and/or KDR. 125 I-VEGF165 (5 ng/ml) (lanes 1-6) or 125 I-VEGF121 (10 ng/ml) (lanes 7-10) were bound to subconfluent cultures of HUVEC (lane 1), PC3 (lane 2), PAE (lanes 3 and 7), a clone of PAE cells transfected with ***human*** VEGF165R/NP-1 cDNA (PAE/NP-1) (lanes 4

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VEGF165R/NP-1 cDNA (PAE/KDR Cells transfected with ***numan***
VEGF165R/NP-1 cDNA (PAE/KDR/NP-1) (lanes 6 and 10). The binding was carried out in the presence of 1 mu g/ml heparin. At the end of a 2 hour incubation, each 125I-VEGF isoform was chemically crosslinked to the cell surface. The cells were lysed and proteins were resolved by 6% SDS-PAGE. The polyacrylamide gel was dried and exposed to X-ray film. Solid arrows denote radiolabeled complexes containing 125I-VEGF and KDR, open arrows denote radiolabeled complexes containing 125I-VEGF and VEGF165R/NP-1.
FIG. 9 shows cross linking of VEGF165 to PAE/KDR Cells Coexpressing VEGF165R/NP-1 Transiently. PAE/KDR cells were transfected with pCPhygro or pCPhyg-NP-1 plasmids as described in "Experimental Procedures", and grown for 3 days in 6 cm dishes. 125I-VEGF165(5 ng/ml) was bound and cross linked to parental PAE/KDR cells (lane 1), to PAE/KDR cells transfected with pCPhygro vector control (V) (lane 2), to PAE/KDR cells transfected with pCPhygr-VEGF165R/NP-1 plasmids (VEGF165R/NP-1) (lane 3), and to HUVEC (lane 4). The binding was carried out in the presence of 1 mu g/ml heparin. The cells were lysed and proteins were resolved by 6% SDS-PAGE as in FIG. 8. Solid arrows denote radiolabeled complexes containing 125I-VEGF165 and VEGF165R/NP-1.
FIG. 10 shows inhibition of 125I-VEGF165 binding to VEGF165R/NP1 interferes with its binding to KDR. 125I-VEGF165 (5 ng/ml) was bound to subconfluent cultures of PAE transfected with ***human*** VEGF165R/NP-1 cDNA (PAE/NP-1) (lanes 1 and 2), PAE/KDR cells (lanes 3 and 4), and PAE/KDR cells transfected with ***human*** VEGF165R/NP-1 cDNA (PAE/NP-1) (lanes 5 and 6) or the absence (lanes 1. 3 and out in the presence (lanes 2, 4, and 6) or the absence (lanes 1. 3 and out in the presence (lanes 2, 4, and 6) or the absence (lanes 1. 3 and out in the presence (lanes 1. 4 and out in the presen
                                       and a clone of PAE/KDR cells transfected with
  4), and PAE/KDR cells transfected with ***human*** VEGF165R/NP-1 cDNF (PAE/KDR/NP-1) (lanes 5 and 16) in 35 mm dishes. The binding was carried out in the presence (lanes 2, 4, and 6) or the absence (lanes 1, 3, and 5) of 25 mu g/ml GST-Ex 7+8. Heparin (1 mu g/ml) was added to each dish. At the end of a 2 hour incubation, 125I-VEGF165 was chemically cross-linked to the cell surface. The cells were lysed and proteins were resolved by 6% SDS-PAGE as in FIG. 9. Solid arrows denote radiolabeled complexes containing 125I-VEGF165 and KDR, open arrows denote radiolabeled complexes containing 125I-VEGF165 and VEGF165R/NP-1. FIGS. 11A-C show a model for VEGF165R/NP-1 modulation of VEGF165 Binding to KDR. 11A.Cells expressing KDR alone. 11B.Cells coexpressing KDR and VEGF165R/NP-1 in the presence of GST-Ex 7+8 fusion protein.
  VEGF165K/NP-1. IIC.Cells co-expressing KDK and VEGF165K/NP-1 III LINE presence of GST-Ex 7+8 fusion protein.

A single KDR receptor or a KDR-VEGF165R/NP-1 pair is shown in top portion. An expanded view showing several receptors is shown in the bottom portion. VEGF165 binds to KDR via exon 4 and to VEGF165R/NP-1 via exon 7 (Keyt et al. J. Biol. Chem. 271, 5638-5646 (1996b); Soker et al., J. Biol. Chem. 271, 5761-5767 (1996)). A rectangular VEGF165 molecule represents a suboptimal conformation that doesn't bind to KDR efficiently while a rounded VEGF165 molecule represents one that fits better into a
        while a rounded VEGF165 molecule represents one that fits better into a binding site. In cells expressing KDR alone, VEGF165 binds to KDR in a sub-optimal manner. In cells co-expressing KDR and VEGF165R/NP-1, the binding efficiency of VEGF165 to KDR is enhanced. It may be that the presence of VEGF165R/NP-1 increases the concentration of VEGF165 on the
        cell surface, thereby presenting more growth factor to KDR.
Alternatively, VEGF165R/NP-1 may induce a change in VEGF165 conformation that allows better binding to KDR, or both might occur. In the presence of GST-Ex 7+8, VEGF165 binding to VEGF165R/NP-1 is competitively
         inhibited and its binding to KDR reverts to a suboptimal manner.

'IG. 12 shows the ***human*** NP-2 amino acid sequence (SEQ ID NO: 4).

'IGS. 13A and 13B show the ***human*** NP-2 DNA sequence (SEQ ID NO:
   FIG. 12 shows the
  FIGS. 13A and 13B show the
  FIGS. 14A, 14B and 14C show the nucleotide (SEQ ID NO: 1) and amino acid sequences (SEQ ID NO: 2) of VEGF165R/NP-1.
FIGS. 15A and 15B show VEGF165 stimulation of MDA MB 231 cell motility.
FIGS. 15A and 15B show VEGF165 stimulation of MDA MB 231 cell motility. (FIG. 15A) Dose response of VEGF165 motility activity. (FIG. 15B) Both VEGF165 and bFGF stimulate motility but VEGF121 does not.
FIGS. 16A, 16B and 16C show motility and neuropilin-1 expression of Dunning rat prostate carcinoma cell lines AT3-1 (high motility, high metastatic potential) and AT2.1 (low motility, low metastatic potential) cells. (FIG. 16A) AT3.1 cells are more motile than AT2.1 cells in a Boyden chamber assay. 125IVEGF165 cross-links neuropilin-1 on AT3.1 cells but does not cross-link to AT2.1 cells. (FIG. 16C) AT3.1 but not AT2.1 cells express neuropilin-1. while both cell types express VEGF.
cells express neuropilin-1, while both cell types express VEGF.
FIGS. 17A, 17B and 17C show immunostaining of (FIG. 17A) a PC3
subcutaneous tumor in a nude mouse, (FIG. 17B) an AT3.1 tumor in a rat,
(FIG. 17C) an AT2. 1 tumor in rat with antineuropilin-1 antibodies.
Neuropilin immunostaining is preferentially associated with PC3 and AT3.1
tumor cells at the tumor/dermis boundary. Some of these cells cluster
around blood vessels. AT2.1 cells do not express neuropilin-1.
FIGS. 18A and 18B show overexpression of neuropilin-1 in AT2.1 cells.
FIGS. 18A and 18B show overexpression of neuropilin-1 in AT2.1 cells.
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(lanes 4,5,6) express higher amounts of neuropilin-1 protein and are more
            motile compared to parental AT2.1 cells or AT2.1 vector (AT2.1/V)
             controls and approach AT3. 1 cell neuropilin-1 levels and migration
             activity.
          FIG. 19 shows expression of NP-1, NP-2 and beta-actin in cancer cell lines
            and endothelial cells using reverse transcriptase PCR following primers:
                   ***Human***
                                             NP-1
          Forward (328-351): 5' TTTCGCAACGATAAATGTGGCGAT 3' (SEQ ID NO: 7) Reverse (738-719): 5' TATCACTCCACTAGGTGTTG 3' (SEQ ID NO: 8)
                   ***Human***
                                             NP-2
          Forward (513-532): 5' CCAACCAGAAGATTGTCCTC 3' (SEQ ID NO: 9)
Reverse (1181-1162): 5' GTAGGTAGATGAGGCACTGA 3'. (SEQ ID NO: 10)
FIG. 20 shows the effects of ***collapsin*** -1 treatment on PAE cell
motility in a Boyden chamber. Collpasin-1 inhibits, by about 65% the
            basal migration of PAE cells expressing neuropilin-1 but not PAE cells expressing KDR. alone One ***collapsin*** unit is about 3 ng/ml.
          FIGS. 21A and 21B show results of the aortic ring assay. ***Collapsin* was added (FIG. 21A) or not added (FIG. 21B) to a segment of rat aortic ring and the migration of endothelial cells out of the rings and their
                                                                                                                                ***Collapsin***
            formation of tubes was monitored after a week in organ culture. Migration and tube formation are inhibited by ***collapsin*** -1.!
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            CD100 ANTIGEN AND USES THEREFOR
            Boussiotis Vassiliki A; Freeman Gordon J; Hall Kathryn T; Nadler Lee M;
            Schultze Joachim L (DE)
            Dana-Farber Cancer Institute Inc (11804)
            US 6576754
                                           В2
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            US 2003044416
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                                                    19951109
            US 1995-556422
            US 6576754
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            US 2003044416
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            Utility; Granted Patent - Utility, with Pre-Grant Publication
            CHEMICAL
            GRANTED
CLMN
         21 Drawing Sheet(s), 15 Figure(s).

FIG. 1 is the nucleotide sequence of a 4.2 kb cDNA encoding full length ***human*** CD100 (SEQ ID NO: 1) and the predicted full length amino acid sequence of ***human*** CD100 (SEQ ID NO: 2).

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         FIG. 3 is a schematic representation of the structure of
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           CD100 indicating the different domains and the tyrosine phosphorylation
           site (Y).
         FIG. 4 represents a sequence comparison between the amino acid sequence of ***collapsin*** 4 (SEQ ID NO: 6) (top sequence) and the amino acid sequence of a fragment of ***human*** CD 100 (SEQ ID NO: 7) (bottom
         FIG. 5 is a graphic representation of the result of flow cytometry analyses of COS cells transiently transfected with a CD100 cDNA (CD100), pCDM8 vector alone (Vector), and B7-1 cDNA (B7-1) and stained with the anti-CD100 antibodies BD16, F93G2, and BB18; and with the isotype matched
           B7-1 antibody B1.1.
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        not from non-transfected CHO cells (CHO).

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         FIG. 9a-c are photographs depicting cryostat sections of lymphoid tissue immunostained with a CD100 monoclonal antibody (FIG. 9a), a CD20 monoclonal antibody (FIG. 9b) and a CD3 monoclonal antibody (FIG. 9c).
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FIG. 11 depicts a histogram showing the number of viable ***human*** B cells (x 106) after incubation of 106 B cells for 72 hours with mock transfected NIH-3T3 cells (t-mock); CD100 transfected NIH-3T3 cells (t-CD100); CD40 transfected NIH-3T3 cells (t-CD40); 50% mock transfected NIH-3T3 cells (t-CD40); 50% mock transfected and 50% CD40L transfected NIH-3T3 cells (t-mock/t-CD40L); and 50% CD100 transfected and 50% CD40L transfected NIH-3T3 cells indicating that CD100 and CD40L stimulation prolong B cell survival and that CD100 and CD40L synergistically stimulate B cell survival.

FIG. 12 is a graphic representation of a two color FACS analysis performed

with anti-CD19 and anti-CD23 antibodies of ***human*** splenic B cells performed after 72 hours of co-culture with tmock/t-CD40L cells or t-CD 1 00t-CD40L showing that CD100 reduces expression of CD40L-induced

CD23 expression.

FIG. 13 depicts the results of proliferation assays of CD4+T cells incubated in media alone, with an anti-CD3 antibody, with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-1 cDNA (t-B7-1), with an anti-CD3 antibody and NIH-3T3 cells transfected with a B7-2 cDNA (t-B7-2), and with an anti-CD3 antibody and NIH-3T3 cells transfected with a CD100 cDNA (tCD100) showing that CD100 is a T cell costimulatory molecule.

FIG. 14 depicts the results of proliferation assays of CD4+T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-1 cells and 0, 1 x 104, 2 x 104, or 3 x 104 t-B7-1 or t-CD100 cells.

FIG. 15 depicts the results of proliferation assays of CD4+T cells incubated with and anti-CD3 antibody and 2 x 104 t-B7-2 cells and 0, 1 \times 104, 2 x 104, or 3 x 104t-B7-2 or t-CD100 cells.

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AN2003:101686 LIFESCI

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- Parikh, A.A.; Liu, W.B.; Fan, F.; Stoeltzing, O.; Reinmuth, N.; Bruns, C.J.; Bucana, C.D.; Evans, D.B.; Ellis, L.M.*
 Department of Surgical Oncology, Box 444, The University of Texas M. D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030-4009; CS E-mail: lellis@mdanderson.org

(20030000) vol. 98, no. 4, pp. 720-729. SO Cancer, ISSN: 0008-543X.

DT Journal

FS В

LΑ English

SLEnglish

ANSWER 165 OF 441 LIFESCI L4COPYRIGHT 2004 CSA on STN

ΑN 2002:41992 LIFESCI

Isolation and Expression Pattern of Phosphoprotein 6/ ***Collapsin*** TI ***Human*** Unc-33-Like Response Mediator Protein 5 (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-Sensitive Oligodendrocytes

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LΑ English

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TTEvidence That ***Collapsin*** Response Mediator Protein-2 is involved in the Dynamics of Microtubules ΑU Gu, Y.; Ihara, Y. Department of Neuropathology, Faculty of Medicine, University of Tokyo, CS Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan; E-mail: yihara@m.u-tokyo.ac.jp. Journal of Biological Chemistry [J. Biol. Chem.], (20000616) vol. 275, no. 24, pp. 17917-17920. SO ISSN: 0021-9258. DT Journal FS N; N3 LΑ English SLEnglish L4ANSWER 167 OF 441 COPYRIGHT 2004 CSA on STN LIFESCI AN1999:49513 LIFESCI Cloning and expression pattern of a murine TI ***semaphorin*** homologous to H-sema IV Eckhardt, F.; Meyerhans, A. Institute of Biochemistry, University of Erlangen-Nuernberg, 91054 ΑU CS Erlangen, Germany Neuroreport, (19981201) vol. 9, no. 17, pp. 3975-3979. SO ISSN: 0959-4965. DT Journal FS И3 LΑ English SL English L4ANSWER 168 OF 441 LIFESCI COPYRIGHT 2004 CSA on STN AN1998:103933 LIFESCI Anatomical distribution of the chemorepellent ΤI ***semaphorin*** ***collapsin*** -1 in the adult rat and III/ ***human*** Predominant expression in structures of the olfactory-hippocampal pathway brain: and the motor system Giger, R.J.; Pasterkamp, R.J.; Heijnen, S.; Holtmaat, A.J.G.D.; Verhaagen, J.* ΑU CS Netherlands Institute for Brain Research, Meibergdreef 33, 1105 AZ Amsterdam ZO, Netherlands J. NEUROSCI. RES., (19980400) vol. 52, no. 1, pp. 27-42. SO ISSN: 0360-4012. DT Journal FS N3; R LA English SLEnglish L4ANSWER 169 OF 441 COPYRIGHT 2004 CSA on STN LIFESCI ANLIFESCI 1998:84479 TI Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-specific receptor for vascular endothelial growth factor Soker, S.; Takashima, S.; Miao, Hua Quan; Neufeld, G.; Klagsbrun, M Department of Surgery, Children's Hospital, Harvard Medical School, Boston, Massachusetts 02115, USA ΑU CS SO CELL, (19980300) vol. 92, no. 6, pp. 735-745. ISSN: 0092-8674. DT Journal N; G; B English FS LΑ SLEnglish L4ANSWER 170 OF 441 LIFESCI COPYRIGHT 2004 CSA on STN AN1998:23536 LIFESCI TI Cloning and characterization of the mouse ***collapsin*** response mediator protein-1, Crmp1 Cohen-Salmon, M.; Crozet, F.; Rebillard, G.; Petit, C.*
Unite de Genetique des de'ficits Sensoriels, CNRS URA 1968, Inst. Pasteur,
25 Rue du Docteur Roux, 75724 Paris Cedex 15, France ΑU CS SO MAMM. GENOME, (19970500) vol. 8, no. 5, pp. 349-351. ISSN: 0938-8990. DT Journal FS G; N LΑ English ANSWER 171 OF 441 L4LIFESCI COPYRIGHT 2004 CSA on STN AN96:108560 LIFESCI TI Isolation of the ***human*** ***semaphorin*** III/F gene (SEMA3F)

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       ISSN: 0888-7543.
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SL
       English
L4
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      200405
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      Entered STN: 20040413
      Last Updated on STN: 20040512
      Entered Medline: 20040511
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      PubMed ID: 14751288
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      development and sexual differentiation of the olfactory bulb in rats. Tsim T Y; Wong E Y K; Leung M S; Wong C-C Department of Physiology, The Chinese University of Hong Kong, Shatin,
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                                   MEDLINE on STN
AN
      2003454578
                         MEDLINE
DN
      PubMed ID: 14514985
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                                response mediator proteins (CRMPs): involvement in
      nervous system development and adult neurodegenerative disorders.
      Charrier Émmanuelle; Reibel Sophie; Rogemond Veronique; Aguera Michele;
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      Thomasset Nicole; Honnorat Jerome
Institut National de la Sante et de la Recherche Medicale U 433, Hopital
Neurologique, 59 Bd Pinel, 69003 Lyon, France.
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Journal code: 8900963. ISSN: 0893-7648.
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       United States
DT
       Journal; Article; (JOURNAL ARTICLE)
       General Review; (REVIEW)
       (REVIEW, TUTORIAL)
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EM
       200312
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       Entered STN: 20030930
       Last Updated on STN: 20031218
       Entered Medline: 20031205
L4
       ANSWER 176 OF 441
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       Entered STN: 20030812
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L4
       ANSWER 177 OF 441
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       2003223683
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       PubMed ID: 12745088
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                                              ***collapsin*** response mediator proteins
       to lipid rafts.
       Rosslenbroich Volker; Dai Lingsong; Franken Sebastian; Gehrke Marion;
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      Junghans Ulrich; Gieselmann Volkmar; Kappler Joachim
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                          MEDLINE
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Rieger Johannes; Wick Wolfgang; Weller Michael
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      Laboratory of Molecular Neuro-Oncology, Department of Neurology, University of Tubingen, Tubingen, Germany.

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      Entered STN: 20030506
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      Entered Medline: 20030804
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PubMed ID: 12650609
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      Entered Medline: 20030331
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      PubMed ID: 12093729
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      Last Updated on STN: 20020830
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      Department of Molecular Pharmacology and Neurobiology, Yokohama City University School of Medicine, 3-9 Fuku-ura, Kanazawa-ku, Yokohama
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      236-0004, Japan.. goshima@med.yokohama-cu.ac.jp
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General Review; (REVIEW)
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L4
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       PubMed ID: 11741937
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Lee Sukmook; Kim Jung Hwan; Lee Chang Sup; Kim Jong Hyun; Kim Youndong; Heo Kyun; Ihara Yasuo; Goshima Yoshio; Suh Pann-Ghill; Ryu Sung Ho
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       Last Updated on STN: 20030105
       Entered Medline: 20020424
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      Research Center in Experimental Cancerology, University of Liege,
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      Sart-Tilman, B-4000 Liege, Belgium.. LCTB@ulg.ac.be
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      2002043087
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      2001671116
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      PubMed ID: 11716506
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      Lapteva N; Nieda M; Ando Y; Nicol A; Ide K; Yamaura A; Hatta-Ohashi Y;
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Department of Human Genetics, University of Tokyo, Tokyo, Japan.
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SO
      531-8.
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                      MEDLINE
      2001652592
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     PubMed ID: 11583986
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     Department of Neurochemistry, Institute of Neurology, University College
     London, 1 Wakefield Street, London WC1N IPJ, United Kingdom..
     C.Hall@ion.ucl.ac.uk
     Journal of biological chemistry, (2001 Nov 16) 276 (46) 43482-6. 
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     Department of Biology, Technion, Israel Institute of Technology, 32000,
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     2001635185
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     Epstein J A; Raper J A
     Department of Neuroscience, University of Pennsylvania School of Medicine,
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     Philadelphia 19104, USA.
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     F32AR08584 (NIAMS)
     HL61475 (NHLBI)
HL62974 (NHLBI)
     RO1 NS38548 (NINDS)
     T32HD07516 (NICHD)

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     Entered STN: 20011105
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     Entered Medline: 20011204
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      isolation and expression pattern of
                                                                      unc-33-11ke
      phosphoprotein 6/ ***collapsin***
                                                   response mediator protein 5
      (Ulip6/CRMP5): coexistence with Ulip2/CRMP2 in Sema3a- sensitive
      oligodendrocytes.
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Institut National de la Sante et de la Recherche Medicale U 433,
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      Federatif des Neurosciences de Lyon, Hopital Neurologique, 69003 Lyon,
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      Institut National de la Sante et de la Recherche Medicale, Unite 448,
      Faculte de Medecine, Creteil, France.
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FS
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      200106
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      Entered STN: 20010625
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      Entered Medline: 20010621
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      ANSWER 192 OF 441
                                 MEDLINE on STN
                        MEDLINE
AN
      2001233738
DN
      PubMed ID: 11232240
      Prevention of nuclear localization of activated caspases correlates with inhibition of apoptosis.
ΤI
      Fankhauser C; Friedlander R M; Gagliardini V
AU
CS
      Brain Research Institute, Department of Neuromorphology, University of
      Zurich, ETH Zurich, Winterthurerstrasse 190, 8057 Zurich, Switzerland.
SO
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      Journal code: 9712129. ISSN: 1360-8185.
CY
      United States
DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
      English
FS
      Priority Journals
      200105
EM
ED
      Entered STN: 20010517
      Last Updated on STN: 20010517
      Entered Medline: 20010503
L4
      ANSWER 193 OF 441
                                 MEDLINE on STN
ΑN
                        MEDLINE
      2001203591
DN
      PubMed ID: 11164941
      New molecules for hippocampal development. Skutella T; Nitsch R
ΤI
ΑU
      Neuroscience Research Center and Institute for Anatomy, Department of Cell and Neurobiology Humboldt University Hospital (Charite), Schumannstr. 20/21, 10117 Berlin, Germany.
CS
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SO
      Journal code: 7808616. ISSN: 0166-2236.
CY
      England: United Kingdom
      Journal; Article; (JOURNAL ARTICLE)
DT
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LA
      English
FS
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EM
      200104
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ED
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L4
      ANSWER 194 OF 441
                                MEDLINE on STN
AN
                       MEDLINE
      2001142580
DN
      PubMed ID: 11085871
TI
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                                        ***collapsin***
                                                             response mediator proteins
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INSERM U433 Hopital Neurologique, Lyon, France.
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CS
SO
      Journal code: 9100095. ISSN: 1044-7431.
CY
      United States
DT
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LΑ
      English
FS
      Priority Journals
EM
      200103
      Entered STN: 20010404
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      Entered Medline: 20010308
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      ANSWER 195 OF 441
                                MEDLINE on STN
AN
      2001069439
                       MEDLINE
      PubMed ID: 10996153
DN
TI
      Expression of mRNA for axon quidance molecules, such as
                                                                          ***semaphorin***
                                                 ***human***
      -III, netrins and neurotrophins, in
                                                                  osteoblasts and
      osteoclasts.
AU
      Togari A; Mogi M; Arai M; Yamamoto S; Koshihara Y
CS
      Department of Pharmacology, School of Dentistry, Aichi-Gakuin University,
      Nagoya 464-8650, Japan. togariaf@dpc.aichi-gakuin.ac.jp
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CY
      Netherlands
DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
      English
FS
      Priority Journals
      200101
EM
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      Last Updated on STN: 20010322
      Entered Medline: 20010104
L4
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AN
                       MEDLINE
      2001016690
      PubMed ID: 10875745
DN
      Functions of
                       ***semaphorins***
TI
                                              in axon guidance and neuronal
      regeneration.
ΑU
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      Department of Pharmacology, Yokohama City University School of Medicine,
      Yokohama, Japan.
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      Journal code: 2983305R. ISSN: 0021-5198.
CY
      Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
DT
      (REVIEW, TUTORIAL)
LΑ
      English
FS
      Priority Journals
EM
      200011
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ED
      Last Updated on STN: 20010322
      Entered Medline: 20001107
      ANSWER 197 OF 441
L4
                               MEDLINE on STN
AN
      2000420881
                       MEDLINE
DN
      PubMed ID: 10818093
      Phosphorylation of ***collapsin*** response mediator protein-2 by Rho-kinase. Evidence for two separate signaling pathways for growth cone
      Phosphorylation of
TΙ
      collapse.
ΑU
      Arimura N; Inagaki N; Chihara K; Menager C; Nakamura N; Amano M; Iwamatsu
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      Division of Signal Transduction, Nara Institute of Science and Technology,
     8916-5 Takayama, Ikoma 630-0101, Japan.
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SO
      Journal code: 2985121R. ISSN: 0021-9258.
CY
      United States
DT
      Journal; Article; (JOURNAL ARTICLE)
LA
      English
FS
      Priority Journals
EM
      200009
ED
      Entered STN: 20000915
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      Entered Medline: 20000907
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L4
                               MEDLINE on STN
AN
      2000400949
                       MEDLINE
      PubMed ID: 10781943
DN
TI
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      signal
                                      3A.
ΑU
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     Molecular Neurogenetics Laboratory, Department of Neurochemistry,
CS
     Max-Planck-Institute for Brain Research, Deutschordenstrasse 46, D-60528,
      Frankfurt, Germany.
SO
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DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
     English
FS
     Priority Journals
EM
      200008
     Entered STN: 20000901
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     Last Updated on STN: 20000901
     Entered Medline: 20000824
T.4
     ANSWER 199 OF 441
                               MEDLINE on STN
ΑN
     2000309729
                       MEDLINE
     PubMed ID: 10770920
DN
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ΤI
     Evidence that
                                             response mediator protein-2 is involved
      in the dynamics of microtubules.
ΑU
     Gu Y; Ihara Y
     Department of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan.
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SO
     Journal code: 2985121R. ISSN: 0021-9258.
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     United States
     Journal; Article; (JOURNAL ARTICLE)
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LΑ
     English
FS
      Priority Journals
EM
      200007
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     Entered Medline: 20000720
L4
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                               MEDLINE on STN
                       MEDLINE
AN
     2000304753
DN
     PubMed ID: 10843805
TI
     A high-resolution radiation hybrid map of the proximal portion of mouse
     chromosome 5.
ΑU
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     Webber A L; Raper J; Lengeling A; Rowe L B; Bucan M
Center for Neurobiology and Behavior, Department of Neuroscience,
Department of Genetics, University of Pennsylvania, 111 CRB, 415 Curie
CS
     Boulevard, Philadelphia, Pensylvania.
NC
     DC02236 (NIDCD)
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     RO1NS38548 (NINDS)
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Journal code: 8800135. ISSN: 0888-7543.
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      United States
DT
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LΑ
     English
FS
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ANSWER 201 OF 441
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       PubMed ID: 10757975

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DN
TΙ
                                                                                 response mediator
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       Department of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan. Biochemistry, (2000 Apr 18) 39 (15) 4267-75. Journal code: 0370623. ISSN: 0006-2960.
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       United States
DT
       Journal; Article; (JOURNAL ARTICLE)
LΑ
       English
FS
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EM
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L4
       ANSWER 202 OF 441
                                     MEDLINE on STN
AN
       2000169069
                           MEDLINE
DN
       PubMed ID: 10702410
       ***Semaphorin*** SEMA3F localization in malignant ***human*** and cell lines: A suggested role in cell adhesion and cell migration.
TI
                                                                                                        lung
ΑU
       Brambilla E; Constantin B; Drabkin H; Roche J
CS
       Laboratoire de Pathologie Cellulaire, INSERM EMI 9924, CHRU Grenoble,
       Grenoble, France. CA5187-07 (NCI)
NC
       P30 CA 46934 (NCI)
SO
       American journal of pathology, (2000 Mar) 156 (3) 939-50.
       Journal code: 0370502. ISSN: 0002-9440.
CY
       United States
DT
       Journal; Article; (JOURNAL ARTICLE)
LΑ
       English
FS
       Abridged Index Medicus Journals; Priority Journals
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                                     MEDLINE on STN
\mathbf{AN}
       2000139649
                           MEDLINE
DN
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TI
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SO
CY
       ENGLAND: United Kingdom
DT
       Journal; Article; (JOURNAL ARTICLE)
LΑ
       English
FS
       Priority Journals
EM
       200003
       Entered STN: 20000330
Last Updated on STN: 20010920
ED
       Entered Medline: 20000317
L4
       ANSWER 204 OF 441
                                     MEDLINE on STN
AN
                           MEDLINE
       2000139604
DN
       PubMed ID: 10673323
TI
       Sema3C and netrin-1 differentially affect axon growth in the hippocampal
       formation.
ΑU
       Steup A; Lohrum M; Hamscho N; Savaskan N E; Ninnemann O; Nitsch R;
       Fujisawa H; Puschel A W; Skutella T
      Institute of Anatomy, Department of Cell- and Neurobiology, Humboldt University Hospital, Charite, Berlin, 10098, Germany.

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SO
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CY
       United States
DT
       Journal; Article; (JOURNAL ARTICLE)
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Priority Journals
F'S
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      200003
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                       MEDLINE
AN
      2000131326
DN
      PubMed ID: 10666674
TI
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      syndrome and Alzheimer's disease brain is downregulated at the mRNA and
      dysregulated at the protein level.
ΑU
      Lubec G; Nonaka M; Krapfenbauer K; Gratzer M; Cairns N; Fountoulakis M
CS
      Department of Pediatrics, University of Vienna, Austria..
      gert.lubec@akhwien.ac.at
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CY
     Austria
DT
      Journal; Article; (JOURNAL ARTICLE)
LA
      English
FS
      Priority Journals
EM
      200004
     Entered STN: 20000421
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     Last Updated on STN: 20000421
      Entered Medline: 20000412
L4
     ANSWER 206 OF 441
                               MEDLINE on STN
AN
                       MEDLINE
      2000115698
      PubMed ID: 10648708
DN
TI
     Spatial distributions of guidance molecules regulate chemorepulsion and
      chemoattraction of growth cones.
AU
     Bagnard D; Thomasset N; Lohrum M; Puschel A W; Bolz J
CS
      Institut National de la Sante et de la Recherche Medicale (INSERM) Unite
     371, Cerveau et Vision, 69500 Bron, France.
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Journal code: 8102140. ISSN: 1529-2401.
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CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
     English
FS
     Priority Journals
EM
      200002
ED
     Entered STN: 20000309
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L4
     ANSWER 207 OF 441
                               MEDLINE on STN
AN
      2000060966
                       MEDLINE
      PubMed ID: 10595517
DN
      Cypin: a cytosolic regulator of PSD-95 postsynaptic targeting.
TI
     Firestein B L; Firestein B L; Brenman J E; Aoki C; Sanchez-Perez A M; El-Husseini A E; Bredt D S
ΑU
CS
     Department of Physiology, University of California, San Francisco 94143,
      USĀ.
     R01-EY08055 (NEI)
R01-NS36017 (NINDS)
NC
     Neuron, (1999 Nov) 24 (3) 659-72.
SO
      Journal code: 8809320. ISSN: 0896-6273.
CY
      United States
     Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
     English
FS
      Priority Journals
      GENBANK-AA376792
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      Last Updated on STN: 20000114
      Entered Medline: 20000104
L4
     ANSWER 208 OF 441
                               MEDLINE on STN
AN
      2000007487
                       MEDLINE
DN
      PubMed ID: 10541474
ΤI
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                               and their receptors in olfactory axon guidance.
     Pasterkamp R J; Ruitenberg M J; Verhaagen J
Graduate School for Neurosciences Amsterdam, Netherlands Institute for
ΑU
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Brain Research.

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Journal code: 9216789. ISSN: 0145-5680.
CY
     Journal; Article; (JOURNAL ARTICLE)
DT
     General Review; (REVIEW)
      (REVIEW, TUTORIAL)
     English
LΑ
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     Priority Journals
EM
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     Entered Medline: 20000131
L4
     ANSWER 209 OF 441
                               MEDLINE on STN
     1999434166
                      MEDLINE
AN
DN
     PubMed ID: 10504203
     A family of proteins implicated in axon guidance and outgrowth.
TI
AU
     Quinn C C; Gray G E; Hockfield S
CS
     Section of Neurobiology, Yale University School of Medicine, Cedar Street,
     SHM C-405, New Haven, Connecticut 06520-8001, USA.
     P01 NS22807 (NINDS)
NC
     T32NS207224 (NINDS)
     Journal of neurobiology, (1999 Oct) 41 (1) 158-64. Ref: 37
SO
     Journal code: 0213640. ISSN: 0022-3034.
CY
     United States
     Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
DT
      (REVIEW, TUTORIAL)
LΑ
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     ANSWER 210 OF 441
L4
                               MEDLINE on STN
                      MEDLINE
AN
     1999410769
     PubMed ID: 10479689
DN
TI
     A dominant negative receptor for specific secreted
                                                                   ***semaphorins***
     is generated by deleting an extracellular domain from neuropilin-1.
     Renzi M J; Feiner L; Koppel A M; Raper J A
ΑU
     Department of Neurosciences, University of Pennsylvania School of
CS
     Medicine, Philadelphia, Pennsylvania 19104-6074, USA.
     RO1-NS-26527 (NINDS)
NC
     T32HD07516 (NICHD)

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     United States
DT
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LА
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     199910
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                               MEDLINE on STN
L4
AN
     1999408917
                       MEDLINE
DN
     PubMed ID: 10477871
                            ***semaphorin***
                                                   E gene expression in metastatic
TI
     Identification of
        ***human***
                        lung adenocarcinoma cells by mRNA differential display.
     Martin-Satue M; Blanco J
ΑU
     Departament de Biologia Cel.lular, Institut de Recerca Oncologica,
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     Barcelona, Spain.
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Journal code: 0222643. ISSN: 0022-4790.
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     Journal; Article; (JOURNAL ARTICLE)
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LΑ
     English
FS
     Priority Journals
EM
     199910
ED
     Entered STN: 19991014
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     Entered Medline: 19991007
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ANSWER 212 OF 441
                                    MEDLINE on STN
Ь4
AN
      1999369779
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      PubMed ID: 10441093
DN
      Endothelial growth factor receptors in
                                                             ***human***
                                                                                 fetal heart.
TI
      Partanen T A; Makinen T; Arola J; Suda T; Weich H A; Alitalo K
ΑU
      Molecular/Cancer Biology Laboratory, Department of Pathology, Haartman Institute, University of Helsinki, Finland.
Circulation, (1999 Aug 10) 100 (6) 583-6.
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CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
      English
FS
      Abridged Index Medicus Journals; Priority Journals
EM
      199909
ED
      Entered STN: 19990925
      Last Updated on STN: 20021210
      Entered Medline: 19990913
L4
      ANSWER 213 OF 441
                                    MEDLINE on STN
                          MEDLINE
AN
      1999357582
      PubMed ID: 10430503
DN
                                                 ***semaphorin***
                                                                           H messenger RNA acting
TI
      Developmental localization of
      as a collapsing factor on sensory axons in the mouse brain.
      Miyazaki N; Furuyama T; Sakai T; Fujioka S; Mori T; Ohoka Y; Takeda N; Kubo T; Inagaki S
School of Allied Health Sciences, Department of Otorhinolaryngology, Osaka
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      United States
DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
      English
      Priority Journals
GENBANK-AF034744
FS
OS
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       199910
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      Entered Medline: 19991008
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                                    MEDLINE on STN
L4
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AN
      1999350217
      PubMed ID: 10419684
DN
ΤI
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                                       ***semaphorin*** D is a repellent for chick
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Shepherd I T; Raper J A
Department of Neurosciences, University of Pennsylvania School of
Medicine, Philadelphia, Pennsylvania, 19104, USA.. iain@u.washington.edu
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Journal code: 0372762. ISSN: 0012-1606.
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SO
CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
LA
      English
FS
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       199908
EM
      Entered STN: 19990910
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ED
      Entered Medline: 19990824
L4
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                                    MEDLINE on STN
AN
       1999340059
                           MEDLINE
       PubMed ID: 10409677
DN
      Differential binding of vascular endothelial growth factor B splice and proteolytic isoforms to neuropilin-1.
TI
       Makinen T; Olofsson B; Karpanen T; Hellman U; Soker S; Klagsbrun M;
ΑU
      Eriksson U; Alitalo K
Molecular/Cancer Biology Laboratory, Haartman Institute, University of
Helsinki, FIN-00014 Helsinki, Finland.
Journal of biological chemistry, (1999 Jul 23) 274 (30) 21217-22.
CS
SO
       Journal code: 2985121R. ISSN: 0021-9258.
       United States
CY
DT
       Journal; Article; (JOURNAL ARTICLE)
LA
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EM
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L4
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AN
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DN
     PubMed ID: 10402473
                               ***collapsin*** -1/ ***semaphorin***
                                                                            III
ΤI
     Neuropilin-1 mediates
     inhibition of endothelial cell motility: functional competition of
       ***collapsin*** -1 and vascular endothelial growth factor-165.
     Miao H Q; Soker S; Feiner L; Alonso J L; Raper J A; Klagsbrun M
ΑU
     Department of Surgical Research, Children's Hospital and Harvard Medical
CS
     School, Boston, Massachusetts 02115, USA.
NC
     CA37392
              (NCI)
              (NCI)
     CA45548
     NS26527 (NINDS)
     Journal of cell biology, (1999 Jul 12)
Journal code: 0375356. ISSN: 0021-9525.
SO
                                (1999 Jul 12) 146 (1) 233-42.
CY
     United States
     Journal; Article; (JOURNAL ARTICLE)
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     Priority Journals
FS
EM
     199908
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L4
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DN
     PubMed ID: 10367884
                                      ***semaphorins*** / ***collapsins***
     Unified nomenclature for the
ΤI
       ***Semaphorin***
                          Nomenclature Committee.
     Anonymous
AU
     Cell, (1999 May 28) 97 (5) 551-2.
SO
     Journal code: 0413066. ISSN: 0092-8674.
CY
     United States
DT
     Letter
     English
LΑ
FS
     Priority Journals
EΜ
     199906
     Entered STN: 19990714
ED
     Last Updated on STN: 20000303
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L4
     ANSWER 218 OF 441
                     MEDLINE
ΑN
     1999212279
DN
     PubMed ID: 10196546
        ***Semaphorins***
                             A and E act as antagonists of neuropilin-1 and
TI
     agonists of neuropilin-2 receptors.
     Comment in: Nat Neurosci. 1998 Oct;1(6):436-9. PubMed ID: 10196539
CM
     Takahashi T; Nakamura F; Jin Z; Kalb R G; Strittmatter S M
ΑU
     Department of Neurology, Yale University School of Medicine, New Haven,
CS
     Connecticut 06520, USA
     Nature neuroscience, (1998 Oct) 1 (6) 487-93.
Journal code: 9809671. ISSN: 1097-6256.
SO
CY
     United States
     Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
     English
FS
     Priority Journals
EM
     199904
     Entered STN: 19990511
ED
     Last Updated on STN: 19990511
     Entered Medline: 19990429
     ANSWER 219 OF 441
                             MEDLINE on STN
L4
\mathbf{AN}
     1999090943
                     MEDLINE
     PubMed ID: 9875739
DN
     Cloning and expression pattern of a murine ***semaphorin***
                                                                          homologous
ΤI
     to H-sema IV.
     Eckhardt F; Meyerhans A
ΑU
     Institute of Medical Microbiology and Hygiene, Department of Virology,
CS
     University of the Saarland, Homburg, Germany.
     Neuroreport, (1998 Dec 1) 9 (17) 3975-9.
SO
     Journal code: 9100935. ISSN: 0959-4965.
     ENGLAND: United Kingdom
CY
     Journal; Article; (JOURNAL ARTICLE)
DT
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Priority Journals
GENBANK-AF080090; GENBANK-AF080091
FS
OS
EM
      199903
      Entered STN: 19990402
ED
      Last Updated on STN: 19990402
      Entered Medline: 19990324
L4
      ANSWER 220 OF 441
                                    MEDLINE on STN
      1999030285
                           MEDLINE
ΑN
      PubMed ID: 9811588
DN
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INSERM Unite 371 'Cerveau et Vision', 69500 Bron, France.

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TI
ΑU
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SO
CY
      ENGLAND: United Kingdom
DT
      Journal; Article; (JOURNAL ARTICLE)
LΑ
      English
FS
      Priority Journals
      199902
EM
      Entered STN: 19990301
Last Updated on STN: 19990301
Entered Medline: 19990216
ED
      ANSWER 221 OF 441
L4
                                    MEDLINE on STN
                           MEDLINE
AN
      1998288313
      PubMed ID: 9624167
DN
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                                 -1 covalently dimerizes, and dimerization is necessary
TI
       for collapsing activity.
ΑU
      Koppel A M; Raper J A
      Department of Neuroscience, University of Pennsylvania School of Medicine, Philadelphia, Pennsylvania 19104, USA.
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SO
CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
LA
      English
FS
      Priority Journals
EM
      199807
      Entered STN: 19980716
ED
      Last Updated on STN: 20000303
      Entered Medline: 19980709
      ANSWER 222 OF 441
                                    MEDLINE on STN
L4
AN
      1998229815
                           MEDLINE
      PubMed ID: 9568393
DN
ΤI
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AU
      Cook G; Tannahill D; Keynes R
      Department of Anatomy, University of Cambridge, UK.
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SO
CY
       ENGLAND: United Kingdom
      Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
DT
       (REVIEW, TUTORIAL)
       English
LΑ
FS
       Priority Journals
EM
       199806
       Entered STN: 19980625
ED
       Last Updated on STN: 19980625
       Entered Medline: 19980618
L4
       ANSWER 223 OF 441
                                     MEDLINE on STN
                           MEDLINE
AN
       1998223649
       PubMed ID: 9555025
DN
       Isolation and characterization of a bovine neural specific protein
TΙ
       (CRMP-2) cDNA homologous to unc-33, a C. elegans gene implicated in axonal
       outgrowth and quidance.
       Kamata T; Subleski M; Hara Y; Yuhki N; Kung H; Copeland N G; Jenkins N A; Yoshimura T; Modi W; Copeland T D
ΑU
       SAIC/Frederick, IRSP, National Cancer Institute (NCI)-FCRDC, Frederick, MD
CS
       21702, USA.
       Brain research. Molecular brain research, (1998 Mar 1) 54 (2) 219-36.
SO
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Journal code: 8908640. ISSN: 0169-328X.

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Journal; Article; (JOURNAL ARTICLE)
D.I.
LΑ
      English
FS
      Priority Journals
EM
      199807
ED
      Entered STN: 19980731
      Last Updated on STN: 19980731
      Entered Medline: 19980717
      ANSWER 224 OF 441
L4
                                MEDLINE on STN
      1998215313
AN
                       MEDLINE
     PubMed ID: 9556027
Anatomical distribution of the chemorepellent
DN
TI
                                                               ***semaphorin***
                                                                                       III/
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      and the motor system.
ΑU
      Giger R J; Pasterkamp R J; Heijnen S; Holtmaat A J; Verhaagen J
CS
      Graduate School of Neurosciences, Netherlands Institute for Brain
      Research, Amsterdam.
SO
      Journal of neuroscience research, (1998 Apr 1) 52 (1) 27-42.
      Journal code: 7600111. ISSN: 0360-4012.
CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
      English
FS
      Priority Journals
      199805
EM
      Entered STN: 19980611
ED
      Last Updated on STN: 19980611
      Entered Medline: 19980529
L4
     ANSWER 225 OF 441
                                MEDLINE on STN
                       MEDLINE
AN
      1998212010
      PubMed ID: 9545313
DN
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     neurofibrillary tangles in Alzheimer's disease. Yoshida H; Watanabe A; Ihara Y
AU
     Department of Neuropathology, Faculty of Medicine, University of Tokyo 113-0033, Tokyo, Japan.
CS
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SO
      Journal code: 2985121R. ISSN: 0021-9258.
CY
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      Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
      English
FS
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      199805
EM
     Entered STN: 19980529
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      Last Updated on STN: 19990129
     Entered Medline: 19980521
L4
     ANSWER 226 OF 441
                                MEDLINE on STN
ΑN
      1998188099
                       MEDLINE
      PubMed ID: 9529250
DN
     Neuropilin-1 is expressed by endothelial and tumor cells as an isoform-specific receptor for vascular endothelial growth factor. Soker S; Takashima S; Miao H Q; Neufeld G; Klagsbrun M
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AU
     Department of Surgery, Children's Hospital, Harvard Medical School, Boston, Massachusetts 02115, USA.
CS
NC
      CA37392 (NCI)
      CA45548 (NCI)
SO
      Cell, (1998 Mar 20) 92 (6) 735-45.
      Journal code: 0413066. ISSN: 0092-8674.
CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
LΑ
      English
FS
      Priority Journals
      GENBANK-AF016050; GENBANK-AF016098
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EM
      199804
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      Entered STN: 19980422
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      Entered Medline: 19980413
L4
     ANSWER 227 OF 441
                                MEDLINE on STN
AN
      1998144979
                       MEDLINE
      PubMed ID: 9483985
DN
     Regulation of growth cone motility by the repulsive factor
***collapsin*** / ***semaphorin*** : a role of ***collapsin***
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      General Review; (REVIEW)
      (REVIEW, TUTORIAL)
LA
      Japanese
FS
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EM
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     Last Updated on STN: 19990129
      Entered Medline: 19980421
L4
     ANSWER 228 OF 441
                               MEDLINE on STN
AN
      1998087397
                       MEDLINE
      PubMed ID: 9427525
DN
     Molecular cloning of a novel member of
TI
                                                     ***semaphorin***
                                                                            family genes,
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                              Ζ.
     Kikuchi K; Ishida H; Kimura T
ΑU
     Sumitomo Pharmaceuticals Research Center, Osaka, Japan.
Brain research. Molecular brain research, (1997 Nov) 51 (1-2) 229-37.
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CY
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DT
     Journal; Article; (JOURNAL ARTICLE)
      Enqlish
LΑ
FS
      Priority Journals
OS
     GENBANK-AB000776
EM
      199802
     Entered STN: 19980226
Last Updated on STN: 20000303
ED
      Entered Medline: 19980217
L4
     ANSWER 229 OF 441
                               MEDLINE on STN
ΑN
      1998070817
                       MEDLINE
      PubMed ID: 9405678
DN
TI
                             ***semaphorin***
      Identification of
                                                   E as a non-MDR drug resistance gene
           ***human***
     οf
                            cancers.
AU
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     Pathology Division, National Cancer Center Research Institute, 1-1 Tsukiji 5-chome, Chuo-ku, Tokyo 104, Japan. Proceedings of the National Academy of Sciences of the United States of America, (1997 Dec 23) 94 (26) 14713-8.
CS
SO
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CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
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FS
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     GENBANK-AB000220
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      199802
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ED
     Entered Medline: 19980202
     ANSWER 230 OF 441
L4
                               MEDLINE on STN
AN
      1998041504
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      PubMed ID: 9375656
DN
     Brain CRMP forms heterotetramers similar to liver dihydropyrimidinase.
TI
ΑU
     Wang L H; Strittmatter S M
CS
     Department of Neurology, Yale University School of Medicine, New Haven,
      Connecticut 06250, USA.
      Journal of neurochemistry, (1997 Dec) 69 (6) 2261-9.
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      Journal code: 2985190R. İSSN: 0022-3042.
CY
     United States
      Journal; Article; (JOURNAL ARTICLE)
DT
LA
      English
FS
      Priority Journals
EM
      199712
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      Entered STN: 19980109
      Last Updated on STN: 19990129
      Entered Medline: 19971212
L4
      ANSWER 231 OF 441
                               MEDLINE on STN
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DN
     PubMed ID: 9334408
                    ***collapsin*** -1 in olfactory and cranial sensory axon
ΤI
     A role for
     guidance.
ΑU
     Kobayashi H; Koppel A M; Luo Y; Raper J A
     Department of Neuroscience, University of Pennsylvania School of Medicine,
CS
     Philadelphia, Pennsylvania 19104, USA.
     Journal of neuroscience: official journal of the Society for Neuroscience, (1997 Nov 1) 17 (21) 8339-52.
SO
     Journal code: 8102140. ISSN: 0270-6474.
CY
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DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
     English
FS
     Priority Journals
     199711
EM
ED
     Entered STN: 19971224
     Last Updated on STN: 19971224
     Entered Medline: 19971120
     ANSWER 232 OF 441
L4
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                    MEDLINE
AN
     97433084
     PubMed ID: 9288753
DN
     Neuropilin is a receptor for the axonal chemorepellent
                                                                     ***Semaphorin***
ΤI
     III.
ΑU
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     Howard Hughes Medical Institute, Department of Anatomy, University of
CS
     California, San Francisco 94143-0452, USA. Cell, (1997 Aug 22) 90 (4) 739-51.
SO
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CY
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DT
     Journal; Article; (JOURNAL ARTICLE)
LA
     English
FS
     Priority Journals
OS
     GENBANK-AF018956; GENBANK-AF018957
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     199710
     Entered STN: 19971024
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L4
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ΑN
     96424532
                    MEDLINE
     PubMed ID: 8815901
DN
TI
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Department of Neurology, Yale University School of Medicine, New Haven,
AU
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SO
     Journal of neuroscience : official journal of the Society for
     Neuroscience, (1996 Oct 1) 16 (19) 6197-207.
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CY
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DT
     Journal; Article; (JOURNAL ARTICLE)
LA
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     Priority Journals
GENBANK-U52102; GENBANK-U52103; GENBANK-U52104
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     Entered STN: 19970128
     Last Updated on STN: 19990129
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L4
     ANSWER 234 OF 441
                              MEDLINE on STN
AN
                    MEDLINE
     96230324
DN
     PubMed ID: 8786119
                           ***human***
     Isolation of the
                                             ***semaphorin***
                                                                   III/F gene (SEMA3F)
TΙ
     at chromosome 3p21, a region deleted in lung cancer.
Xiang R H; Hensel C H; Garcia D K; Carlson H C; Kok K; Daly M C; Kerbacher
ΑU
     K; van den Berg A; Veldhuis P; Buys C H; Naylor S L
Department of Cellular & Structural Biology, University of Texas Health
CS
     Sclence Center at San Antonio 78284-7762, ŪSA.
NC
     CA 54174 (NCI)
     CA 56626
                (NCI)
     HG 00470 (NHGRI)
SO
     Genomics, (1996 Feb 15) 32 (1) 39-48
     Journal code: 8800135. ISSN: 0888-7543.
CY
     United States
     Journal; Article; (JOURNAL ARTICLE)
DT
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Priority Journals
FS
     GENBANK-U38276
OS
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     199609
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1.4
     ANSWER 235 OF 441
                             MEDLINE on STN
AN
                   MEDLINE
     96210603
DN
     PubMed ID: 8633026
ΤI
       ***Human***
                         ***semaphorins***
                                              A(V) and IV reside in the 3p21.3
     small cell lung cancer deletion region and demonstrate distinct expression
     Sekido Y; Bader S; Latif F; Chen J Y; Duh F M; Wei M H; Albanesi J P; Lee C C; Lerman M I; Minna J D
ΑU
     Hamon Center for Therapeutic Oncology Research, University of Texas
CS
     Southwestern Medical Center, Dallas 75235, USA.
NC
     P20 CA58220 (NCI)
     Proceedings of the National Academy of Sciences of the United States of
SO
     America, (1996 Apr 30) 93 (9) 4120-5.
     Journal code: 7505876. ISSN: 0027-8424.
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
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FS
     Priority Journals
     GENBANK-U28369; GENBANK-U32171; GENBANK-U32172
OS
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     199607
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     Entered STN: 19960715
     Last Updated on STN: 19980206
     Entered Medline: 19960701
L4
     ANSWER 236 OF 441
                             MEDLINE on STN
AN
     95267432
                   MEDLINE
     PubMed ID: 7748562
DN
       ***Semaphorin***
TI
                            III can function as a selective chemorepellent to
     pattern sensory projections in the spinal cord.
Messersmith E K; Leonardo E D; Shatz C J; Tessier-Lavigne M; Goodman C S;
AU
     Kolodkin A L
     Howard Hughes Medical Institute, Department of Molecular and Cell Biology,
CS
     University of California, Berkeley 94720, USA.
     GM07618 (NIGMS)
NC
     HD21294
              (NICHD)
     Neuron, (1995 May) 14 (5) 949-59.
Journal code: 8809320. ISSN: 0896-6273.
SO
     Neuron,
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
     English
FS
     Priority Journals
OS
     GENBANK-L40484
EM
     199506
     Entered STN: 19950629
ED
     Last Updated on STN: 20000303
     Entered Medline: 19950621
     ANSWER 237 OF 441
L4
                             MEDLINE on STN
     94094332
                   MEDLINE
AN
     PubMed ID: 8269517
DN
TI
            ***semaphorin***
                                genes encode a family of transmembrane and
     secreted growth cone guidance molecules.
ΑU
     Kolodkin Ā L; Matthes D J; Goodman C S
     Howard Hughes Medical Institute, Department of Molecular and Cell Biology,
CS
     University of California, Berkeley 94720.
NS 18366 (NINDS)
NC
            (1993 Dec 31) 75 (7) 1389-99.
SO
     Journal code: 0413066. ISSN: 0092-8674.
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
LΑ
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     GENBANK-L20888; GENBANK-L20889; GENBANK-L26080; GENBANK-L26081;
OS
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     GENBANK-S60905; GENBANK-S60924
EM
     199401
ED
     Entered STN: 19940215
     Last Updated on STN: 19950206
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ANSWER 238 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS L4RESERVED. on STN AN2004-0042366 PASCAL CP Copyright .COPYRGT. 2004 INIST-CNRS. All rights reserved. TIEN Expression and regulation of the novel vascular endothelial growth factor receptor neuropilin-1 by epidermal growth factor in ***human*** pancreatic carcinoma ΑU PARIKH Alexander A.; WEN BIAO LIU; FAN FAN; STOELTZING Oliver; REINMUTH Niels; BRUNS Christiane J.; BUCANA Corazon D.; EVANS Douglas B.; ELLIS Department of Surgical Oncology, The University of Texas M. D. Anderson Cancer Center, Houston, Texas, United States; Department of Cancer Biology, The University of Texas M. D. Anderson Cancer Center, Houston, CS Texas, United States Cancer, (2003), 98(4), 720-729, 39 refs. SO ISSN: 0008-543X CODEN: CANCAR DT Journal BLAnalytic CY United States LA English INIST-2701, 354000112692800080 ΑV ANSWER 239 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS L4RESERVED. on STN AN2000-0159261 PASCAL CP Copyright .COPYRGT. 2000 INIST-CNRS. All rights reserved. ***Semaphorin*** SEMA3F localization in malignant ***human*** TIEN lung and cell lines : A suggested role in cell adhesion and cell migration BRAMBILLA E.; CONSTANTIN B.; DRABKIN H.; ROCHE J.
Laboratoire de Pathologie Cellulaire, INSERM EMI 9924, CHRU Grenoble,
Grenoble, France; Laboratoire de Physiologie Generale, UMR CNRS 6558,
Universite de Poitiers, Poitiers, France; Division of Medical Oncology,
University of Colorado Health Sciences Center, Denver, Colorado, United
States; IBMIG, ESA CNRS 6031, Universite de Poitiers, Poitiers, France
The American journal of pathology, (2000), 156(3), 939-950, 63 refs.
ISSN: 0002-9440 CODEN: AJPAA4 AU CS SO DT Journal BLAnalytic CY United States LAEnglish ΑV INIST-2047, 354000082238030240 L4ANSWER 240 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS RESERVED. on STN AN1999-0460576 PASCAL CP Copyright .COPYRGT. 1999 INIST-CNRS. All rights reserved. Copyright .COPYRGT. 1999 INIST-CNRS. All rights reserved.
Endothelial growth factor receptors in ***human*** fetal heart
PARTANEN T. A.; MAKINEN T.; AROLA J.; SUDA T.; WEICH H. A.; ALITALO K.
Molecular/Cancer Biology Laboratory, Haartman Institute, University of
Helsinki, Finland; Department of Pathology Haartman Institute, University
of Helsinki, Finland; Department of Cell Differentiation, IMEG, Kumamoto
University School of Medicine, Japan; Department of Gene Regulation and
Differentiation, Division of Molecular Biotechnology, National Research
Center for Biotechnology (GBF, Germany, Federal Republic of
Circulation: (New York), (1999), 100(6), 583-586, 20 refs.
ISSN: 0009-7322 CODEN: CIRCAZ
Journal: Short communication TIEN AU CS SO Journal; Short communication DT BLAnalytic CY United States LΑ English ΑV INIST-5907, 354000089443820030 L4ANSWER 241 OF 441 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS RESERVED. on STN AN1999-0258856 PASCAL Copyright .COPYRGT. 1999 INIST-CNRS. All rights reserved. CP Cloning and expression pattern of a murine ***semaphorin*** TIEN homologous to H-sema IV ECKHARDT F.; MEYERHANS A.
Institute of Medical Microbiology and Hygiene, Department of Virology,
University of the Saarland, 66421, Homburg, Germany, Federal Republic of
Neuroreport: (Oxford), (1998), 9(17), 3975-3979, 26 refs. ΑU CS SO ISSN: 0959-4965

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Analytic
United Kingdom
BL
CY
LΑ
         English
ΑV
         INIST-22534, 354000084356210380
L4
        ANSWER 242 OF 441
                                 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS
        RESERVED. on STN
AN
         1996-0143945
                             PASCAL
        Copyright .COPYRGT. 1996 INIST-CNRS. All rights reserved. Isolation of the ***human*** ***semaphorin*** III
CP
TIEN
                                                                                   III/F gene (SEMA3F)
        at chromosome 3p21, a region deleted in lung cancer RUI-XUA XIANG; HENSEL C. H.; GARCIA D. K.; CARLSON H. C.; KOK K.; DALY M. C.; KERBACHER K.; VAN DEN BERG A.; VELDHUIS P.; BUYS C. H. C. M.; NAYLOR S. L.
ΑU
        Univ. Texas health sci. cent. San Antonio, dep. cellular structural biology, San Antonio TX 78284-7762, United States Genomics: (San Diego, CA), (1996), 32(1), 39-48, 34 refs.
CS
SO
         ISSN: 0888-7543
DT
        Journal
\mathtt{BL}
        Analytic
CY
        United States
LА
        English
ΑV
        INIST-21389, 354000053022950050
L4
       ANSWER 243 OF 441
                               SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN
       2003:688740
                        SCISEARCH
       The Genuine Article (R) Number: 708JA
GΑ
       Expression and regulation of the novel vascular endothelial growth factor
ΤI
       receptor neuropilin-1 by epidermal growth factor in
                                                                                ***human***
       pancreatic carcinoma
AU
       Parikh A A; Liu W B; Fan F; Stoeltzing O; Reinmuth N; Bruns C J; Bucana C D; Evans D B; Ellis L M (Reprint)
      Univ Texas, MD Anderson Canc Ctr, Dept Surg Oncol, Box 444, 1515 Holcombe Blvd, Houston, TX 77030 USA (Reprint); Univ Texas, MD Anderson Canc Ctr, Dept Surg Oncol, Houston, TX 77030 USA; Univ Texas, MD Anderson Canc Ctr, Dept Canc Biol, Houston, TX 77030 USA
CS
CYA
       CANCER, (15 AUG 2003) Vol. 98, No. 4, pp. 720-729.
Publisher: JOHN WILEY & SONS INC, 111 RIVER ST, HOBOKEN, NJ 07030 USA.
SO
       ISSN: 0008-543X.
DT
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LΑ
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       Reference Count: 39
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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       ANSWER 244 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
ΑN
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       2003:193518
       The Genuine Article (R) Number: 648BA
GA
TI
          ***Collapsin***
                                  response mediator protein-1: A novel
       invasion-suppressor gene
Shih J Y; Lee Y C G; Yang S C; Hong T M; Huang C Y F; Yang P C (Reprint)
ΑU
      Natl Taiwan Univ Hosp, Dept Internal Med, 7 Chung Shan S Rd, Taipei 100, Taiwan (Reprint); Natl Taiwan Univ Hosp, Dept Internal Med, Taipei 100,
CS
       Taiwan; Natl Hlth Res Inst, Taipei, Taiwan; Acad Sinica, Inst Biomed Sci,
       Taipei,
                 Taiwan
CYA
       Taiwan
SO
       CLINICAL & EXPERIMENTAL METASTASIS, (7 FEB 2003) Vol. 20, No. 1, pp.
       Publisher: KLUWER ACADEMIC PUBL, VAN GODEWIJCKSTRAAT 30, 3311 GZ
       DORDRECHT, NETHERLANDS.
       ISSN: 0262-0898.
DT
      Article; Journal
LΑ
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REC
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       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 245 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
AN
                      SCISEARCH
       2003:56332
       The Genuine Article (R) Number: 629AU
GA
ΤI
                ***semaphorin***
                                         3A antibodies rescue retinal ganglion cells from
      cell death following optic nerve axotomy
Shirvan A (Reprint); Kimron M; Holdengreber V; Ziv I; Ben-Shaul Y; Melamed
AU
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NST Ltd, 5 Odem St, IL-49170 Petah Tiqwa, Israel (Reprint); Rabin Med Ctr,

Dept Neurol, IL-49100 Petah Tiqwa, Israel; Rabin Med Ctr, Felsenstein Med

S; Melamed E; Barzilai A; Solomon A S

CS

Tiqwa, Israel; Tel Aviv Univ, George S Wise Fac Lire Sci, Dept Neurobiochem, IL-69978 Tel Aviv, Israel; Tel Aviv Univ, Dept Cell Res & Immunol, IL-69978 Tel Aviv, Israel; Tel Aviv Univ, San Rothberg Glaucoma Ctr, Goldschleger Eye Res Inst, IL-69978 Tel Aviv, Israel

CYA Israel

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (20 DEC 2002) Vol. 277, No. 51, pp. 49799-49807. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA.

ISSN: 0021-9258. DT Article; Journal

LΑ English

REC Reference Count: 69

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4ANSWER 246 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

AN2002:791945 SCISEARCH

GA The Genuine Article (R) Number: 595PB

Identification, characterization, and functional study of the two novel
human members of the ***semaphorin*** gene family TI

ΑU

Qu X H; Wei H D; Zhai Y; Que H P; Chen Q; Tang F; Wu Y; Xing G C; Zhu Y P; Liu S J; Fan M; He F C (Reprint)
Chinese Natl Human Genome Ctr, Beijing Inst Radiat Med, Dept Genom & Proteom, 27 Taiping Rd, Beijing 100850, Peoples R China (Reprint); Chinese Natl Human Genome Ctr, Beijing Inst Radiat Med, Dept Genom & Proteom,
Natl Human Genome Ctr, Beijing Inst Radiat Med, Dept Genom & Proteom, CS Beijing 100850, Peoples R China; Beijing Inst Basic Med Sci, Dept Neurosci, Beijing 100850, Peoples R China

Peoples R China CYA

SO JOURNAL OF BIOLOGICAL CHEMISTRY, (20 SEP 2002) Vol. 277, No. 38, pp. 35574-35585. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3996 USA. ISSN: 0021-9258

Article; Journal DT

LΑ English

REC Reference Count: 31 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*

L4ANSWER 247 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN

AN2001:770891 SCISEARCH

GΑ The Genuine Article (R) Number: 473GZ

Collapsin TI response mediator protein-1 and the invasion and metastasis of cancer cells

ΑU Shih J Y; Yang S C; Hong T M; Yuan A; Chen J J W; Yu C J; Chang Y L; Lee Y C; Peck K; Wu C W; Yang P C (Reprint)

Natl Taiwan Univ Hosp, Dept Internal Med, 7 Chung Shan S Rd, Taipei 100, Taiwan (Reprint); Natl Taiwan Univ Hosp, Dept Internal Med, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Emergency Med, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Res, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan, Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan, Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan, Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan, Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan, Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan, Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan, Natl Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan Univ Hosp, Dept Bathol Taipei 100, Taiwan Univ Hosp, Dept Bathol Taiwan Univ H CS Hosp, Dept Pathol, Taipei 100, Taiwan; Natl Taiwan Univ Hosp, Dept Surg, Taipei 100, Taiwan; Acad Sinica, Inst Biomed Sci, Taipei, Taiwan; Natl Hlth Res Inst, Taipei, Taiwan

CYA Taiwan

SO JOURNAL OF THE NATIONAL CANCER INSTITUTE, (19 SEP 2001) Vol. 93, No. 18, pp. 1392-1400. Publisher: NATL CANCER INSTITUTE, 9030 OLD GEORGETOWN RD, BETHESDA, MD 20814 USA. ISSN: 0027-8874.

DTArticle; Journal

LΑ English

REC Reference Count: 58

ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L4ANSWER 248 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN SCISEARCH AN 2001:750582

The Genuine Article (R) Number: 471HM GA

TI Isolation and expression pattern of ***human*** Unc-33-like phosphoprotein 6/ ***collapsin*** response mediator protein 5 (Ulip6/CRMP5): Coexistence with Ulip2/CRMP2 in Sema3A-sensitive oligodendrocytes

ΑU Ricard D; Rogemond V; Charrier E; Aguera M; Bagnard D; Belin M F;

Thomasset N; Honnorat J (Reprint)
Hop Neurol, 59 Blvd Pinel, BP Lyon Montchat, F-69394 Lyon 03, France (Reprint); Hop Neurol, Inst Federatif Neurosci, INSERM, U433, F-69003 CS Lyon, France

SU JOURNAL OF NEUROSCIENCE, (15 SEP 2001) VOI. 21, NO. 18, pp. 7203-7214. Publisher: SOC NEUROSCIENCE, 11 DUPONT CIRCLE, NW, STE 500, WASHINGTON, DC 20036 USA. ISSN: 0270-6474. DTArticle; Journal LA English REC Reference Count: 57 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* L4ANSWER 249 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN AN2000:929942 SCISEARCH GA The Genuine Article (R) Number: 379AL Molecular characterization of CRMP5, a novel member of the ΤI ***collapsin*** response mediator protein family ΑU Fukada M; Watakabe I; YuasaKawada J; Kawachi H; Kuroiwa A; Matsuda Y; Noda M (Reprint) NATL INST BASIC BIOL, DIV MOL NEUROBIOL, 38 NISHIGONAKA, OKAZAKI, AICHI CS 4448585, JAPAN (Reprint); NATL INST BASIC BIOL, DIV MOL NEUROBIOL, OKAZAKI, AICHI 4448585, JAPAN; GRAD UNIV ADV STUDIES, DEPT MOL BIOMECH, OKAZAKI, AICHI 4448585, JAPAN; HOKKAIDO UNIV, GRAD SCH ENVIRONM EARTH SCI, DIV BIOSCI, LAB CYTOGENET, KITA KU, SAPPORO, HOKKAIDO 060081, JAPAN; HOKKAIDO UNIV, FAC SCI, CHROMOSOME RES UNIT, SAPPORO, HOKKAIDO 060081, JAPAN CYA JAPAN SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1 DEC 2000) Vol. 275, No. 48, pp. 37957-37965. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814. ISSN: 0021-9258. DT Article; Journal FS LIFE LA English REC Reference Count: 45 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* L4ANSWER 250 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN AN2000:466069 SCISEARCH GA The Genuine Article (R) Number: 325CU TI Accelerated Publication - Evidence that ***collapsin*** mediator protein-2 is involved in the dynamics of microtubules Gu Y J; Ihara Y (Reprint) UNIV TOKYO, FAC MED, DEPT NEUROPATHOL, BUNKYO KU, HONGO 7-3-1, TOKYO 1130033, JAPAN (Reprint); UNIV TOKYO, FAC MED, DEPT NEUROPATHOL, BUNKYO KU, TOKYO 1130033, JAPAN; JAPAN SCI & TECHNOL CORP, JSP, CREST, KAWAGUCHI ΑU CS 3320012, JAPAN CYA **JAPAN** SO JOURNAL OF BIOLOGICAL CHEMISTRY, (16 JUN 2000) Vol. 275, No. 24, pp. 17917-17920. Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814. ISSN: 0021-9258. DTArticle; Journal FS LIFE LA English REC Reference Count: 18 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* L4ANSWER 251 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN AN2000:201021 SCISEARCH GΑ The Genuine Article (R) Number: 290XF TI ***Semaphorin*** SEMA3F localization in malignant ***human*** lung and cell lines - A suggested role in cell adhesion and cell migration
Brambilla E; Constantin B; Drabkin H; Roche J (Reprint)
UNIV POITIERS, IBMIG, ESA CNRS 6031, 40 AVE RECTEUR PINEAU, F-86022
POITIERS, FRANCE (Reprint); UNIV POITIERS, IBMIG, ESA CNRS 6031, F-86022
POITIERS, FRANCE; CHR UNIV GRENOBLE, INSERM, EMI 9924, PATHOL CELLULAIRE
LAB, GRENOBLE, FRANCE; UNIV POITIERS, LAB PHYSIOL GEN, CNRS, UMR 6558, ΑU CS F-86022 POITIERS, FRANCE; UNIV COLORADO, HLTH SCI CTR, DIV MED ONCOL, DENVER, CO 80262 FRANCE; USA CYA AMERICAN JOURNAL OF PATHOLOGY, (MAR 2000) Vol. 156, No. 3, pp. 939-950. Publisher: AMER SOC INVESTIGATIVE PATHOLOGY, INC, 428 EAST PRESTON ST, SO BALTIMORE, MD 21202-3993. ISSN: 0002-9440.

DT

Article; Journal

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       English
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       Reference Count: 63
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 252 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
        1999:725749
AN
                          SCISEARCH
GA
        The Genuine Article (R) Number: 237FC
        Identification of ***semaphorin*** E gene expression in metastatic
TI
                               lung adenocarcinoma cells by mRNA differential display
           ***human***
       MartinSatue M; Blanco J (Reprint)
HOSP DURAN & REYNAIS, DEPT CELLULAR BIOL, INST RECERSA ONCOL, AUTOVIA
CASTELLDEFELS KM 2-7, BARCELONA 08907, SPAIN (Reprint); INST RECERSA
ONCOL, DEPT CELLULAR BIOL, BARCELONA, SPAIN; CSIC, BARCELONA, SPAIN
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CYA
       JOURNAL OF SURGICAL ONCOLOGY, (SEP 1999) Vol. 72, No. 1, pp. 18-23.
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        Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,
       NY 10158-0012.
        ISSN: 0022-4790.
DT
       Article; Journal
FS
       CLIN
LΑ
       English
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       Reference Count: 30
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
       ANSWER 253 OF 441
                                     SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
                           SCISEARCH
\mathbf{N}\mathbf{A}
        1999:630122
GΑ
        The Genuine Article (R) Number: 224RV
TI
                                                                       ***human***
       Endothelial growth factor receptors in
                                                                                            fetal heart
       Partanen T A; Makinen T; Arola J; Suda T; Weich H A; Alitalo K (Reprint)
UNIV HELSINKI, HAARTMAN INST, MOL CANC BIOL LAB, POB 21, HAARTMANINKATU 3,
FIN-00014 HELSINKI, FINLAND (Reprint); UNIV HELSINKI, HAARTMAN INST, MOL
CANC BIOL LAB, FIN-00014 HELSINKI, FINLAND; UNIV HELSINKI, HAARTMAN INST,
DEPT PATHOL, FIN-00014 HELSINKI, FINLAND; KUMAMOTO UNIV, SCH MED, DEPT
CELL DIFFERENTIAT, KUMAMOTO 860, JAPAN; NATL RES CTR BIOTECHNOL, DEPT GENE
REGULAT & DIFFERENT DIV MOL BIOTECHNOL BRANDSCHWEIG GERMANY
ΑU
CS
       REGULAT & DIFFERENT, DIV MOL BIOTECHNOL, BRAUNSCHWEIG, GERMANY
       FINLAND; JAPAN; GERMANY CIRCULATION, (10 AUG 1999) Vol. 100, No. 6, pp. 583-586. Publisher: LIPPINCOTT WILLIAMS & WILKINS, 227 EAST WASHINGTON SQ,
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       PHILADELPHIA, PA 19106.
        ISSN: 0009-7322.
DT
       Article; Journal
       LIFE; CLIN
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       English
LΑ
REC
       Reference Count: 20
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L4
       ANSWER 254 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN
        1999:616724
                           SCISEARCH
GΑ
       The Genuine Article (R) Number: 223MH
                                             ***semaphorin*** D is a repellent for chick
TI
           ***Collapsin*** -1/
       ganglion of Remak axons
Shepherd I T (Reprint); Raper J A
AU
       UNIV WASHINGTON, DEPT BIOL STRUCT, BOX 357420, SEATTLE, WA 98195 (Reprint); UNIV PENN, SCH MED, DEPT NEUROSCI, PHILADELPHIA, PA 19104
CS
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       USA
       DEVELOPMENTAL BIOLOGY, (1 AUG 1999) Vol. 212, No. 1, pp. 42-53. Publisher: ACADEMIC PRESS INC, 525 B ST, STE 1900, SAN DIEGO, CA
SO
        92101-4495.
       ISSN: 0012-1606.
DT
       Article; Journal
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       LIFE
LA
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REC
       Reference Count: 31
        *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L4
       ANSWER 255 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
        1999:249220 SCISEARCH
AN
       The Genuine Article (R) Number: 179QP
Distribution of ***semaphorin*** IV in adult ***human*** brain
GΑ
TI
       Hirsch E; Hu L J; Prigent A; Constantin B; Agid Y; Drabkin H; Roche J
ΑU
       (Reprint)
UNIV POITIERS, CNRS, ESA 6031, IBMIG, 40 AVE RECTEUR PINEAU, F-86022
POITIERS, FRANCE (Reprint); UNIV POITIERS, CNRS, ESA 6031, IBMIG, F-86022
POITIERS, FRANCE; UNIV POITIERS, LAB PHYSIOL GENERALE, CNRS, UMR 6558,
F-86022 POITIERS, FRANCE; UNIV COLORADO, HLTH SCI CTR, DIV MED ONCOL,
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CYA
      FRANCE; USA
      BRAIN RESEARCH, (27 MAR 1999) Vol. 823, No. 1-2, pp. 67-79.
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
SO
      NETHERLANDS.
      ISSN: 0006-8993.
DT
      Article; Journal
FS
      LIFE
LA
      English
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      Reference Count: 48
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 256 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
AN
      1999:196634 SCISEARCH
GA
      The Genuine Article (R) Number: 172ZP
      Cloning, expression, and genetic mapping of Sema W, a member of the
ΤI
         ***semaphorin***
                                 family
      Encinas J'A; Kikuchi K; Chedotal A; deCastro F; Goodman C S; Kimura T
ΑU
       (Reprint)
      SUMITOMO PHARMACEUT RES CTR, 3-1-98 KASUGAADE NAKA, OSAKA 5540022, JAPAN (Reprint); HOP LA PITIE SALPETRIERE, INSERM, U106, F-75013 PARIS, FRANCE; UNIV CALIF BERKELEY, DEPT MOL & CELL BIOL, DIV NEUROBIOL, HOWARD HUGHES MED INST, BERKELEY, CA 94720
CS
      JAPAN; FRANCE; USA
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF
CYA
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      AMERICA, (2 MAR 1999) Vol. 96, No. 5, pp. 2491-2496.
Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC
      ISSN: 0027-8424.
DT
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      English
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      Reference Count: 51
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
L4
      ANSWER 257 OF 441 SCISEARCH
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      1999:72054 SCISEARCH
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GA
      The Genuine Article (R) Number: 156CK
      Molecular cloning and expression of murine homologue of ***semaphorin***
TI
      K1 gene
      Sato Y; Takahashi H (Reprint)
MITSUBISHI KASEI INST LIFE SCI, 11 MINAMIOOYA, MACHIDA, TOKYO 194, JAPAN
(Reprint); MITSUBISHI KASEI INST LIFE SCI, MACHIDA, TOKYO 194, JAPAN
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      BIOCHIMICA ET BIOPHYSICA ACTA-GENE STRUCTURE AND EXPRESSION, (22 DEC 1998)
      Vol. 1443, No. 3, pp. 419-422.
      Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM,
      NETHERLANDS.
      ISSN: 0167-4781.
DT
      Article; Journal
FS
      LIFE
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      Reference Count: 9
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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                                            COPYRIGHT 2004 THOMSON ISI on STN
      ANSWER 258 OF 441
                               SCISEARCH
T.4
      1999:43142 SCISEARCH
ΑN
GA
      The Genuine Article (R) Number: 152RJ
      Cloning and expression pattern of a murine ***semaphorin***
                                                                                          homologous
ΤI
      to H-sema IV
      Eckhardt F (Reprint); Meyerhans A
AU
      UNIV ERLANGEN NURNBERG, INST BIOCHEM, D-91054 ERLANGEN, GERMANY (Reprint); UNIV SAARLAND, DEPT VIROL, INST MED MICROBIOL & HYG, D-66421 HOMBURG,
CS
      GERMANY
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      GERMANY
      NEUROREPORT, (1 DEC 1998) Vol. 9, No. 17, pp. 3975-3979.
Publisher: LIPPINCOTT WILLIAMS & WILKINS, 227 EAST WASHINGTON SQ,
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      PHILADELPHIA, PA 19106.
      ISSN: 0959-4965.
DT
      Article; Journal
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      English
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      Reference Count: 26
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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13, FRANCE

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1998:671767 SCISEARCH
AN
      The Genuine Article (R) Number: 114NY
GΑ
      ***Human*** ***semaphorin*** K1 is glycosylphosphatidylinositol-
linked and defines a new subfamily of viral-related ***semaphorins***
Xu X M; Ng S; Wu Z L; Nguyen D; Homburger S; SeidelDugan C; Ebens A; Luo Y
ΤI
ΑU
      L (Reprint)
      EXELIXIS PHARMACEUT INC, 260 LITTLEFIELD AVE, S SAN FRANCISCO, CA 94080
CS
       (Reprint); EXELIXIS PHARMACEUT INC, S SAN FRANCISCO, CA 94080
CYA
      USA
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      JOURNAL OF BIOLOGICAL CHEMISTRY, (28 AUG 1998) Vol. 273, No. 35, pp.
      22428-22434.
      Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE
      PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
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      Reference Count: 48
      *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 260 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
                      SCISEARCH
AN
      1998:278083
      The Genuine Article (R) Number: ZF395
GΑ
      Anatomical distribution of the chemorepellent
                                                                    ***semaphorin***
                                                                                               III
TI
         ***collapsin*** -1 in the adult rat and ***human***
                                                                                    brain:
      Predominant expression in structures of the olfactory-hippocampal pathway
      and the motor system
      Giger R J; Pasterkamp R J; Heijnen S; Holtmaat A J G D; Verhaagen J
AU
       (Reprint)
      NETHERLANDS INST BRAIN RES, GRAD SCH NEUROSCI, MEIBERGDREEF 33, NL-1105 AZ AMSTERDAM, NETHERLANDS (Reprint); NETHERLANDS INST BRAIN RES, GRAD SCH
CS
      NEUROSCI, NL-1105 AZ AMSTERDAM, NETHERLANDS
CYA
      NETHERLANDS
      JOURNAL OF NEUROSCIENCE RESEARCH, (1 APR 1998) Vol. 52, No. 1, pp. 27-42. Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK,
SO
      NY 10158-0012.
      ISSN: 0360-4012.
DT
      Article; Journal
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      English
      Reference Count: 75
*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
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      ANSWER 261 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
                      SCISEARCH
AN
      1998:250726
GΑ
      The Genuine Article (R) Number: ZD198
      Neuropilin-1 is expressed by endothelial and tumor cells as an
TI
      isoform-specific receptor for vascular endothelial growth factor
      Soker S; Takashima S; Miao H Q; Neufeld G; Klagsbrun M (Reprint)
ΑU
      HARVARD UNIV, CHILDRENS HOSP, SCH MED, DEPT SURG, BOSTON, MA 02115 (Reprint); HARVARD UNIV, CHILDRENS HOSP, SCH MED, DEPT SURG, BOSTON, MO 02115; HARVARD UNIV, CHILDRENS HOSP, SCH MED, DEPT PATHOL, BOSTON, MA 02115; TECHNION ISRAEL INST TECHNOL, DEPT BIOL, IL-32000 HAIFA, ISRAEL
CS
CYA
      USA; ISRAEL
      CELL, (20 MAR 1998) Vol. 92, No. 6, pp. 735-745.
Publisher: CELL PRESS, 1050 MASSACHUSETTES AVE, CIRCULATION DEPT,
SO
      CAMBRIDGE, MA 02138.
      ISSN: 0092-8674.
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      Reference Count: 60
       *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
      ANSWER 262 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
L4
                   SCISEARCH
      97:870598
AN
GA
      The Genuine Article (R) Number: YG275
TI
      Brain CRMP forms heterotetramers similar to liver dihydropyrimidinase
      Wang L H; Strittmatter S M (Reprint)
YALE UNIV, SCH MED, DEPT NEUROL, 333 CEDAR ST, POB 208018, NEW HAVEN, CT
06520 (Reprint); YALE UNIV, SCH MED, DEPT NEUROL, NEW HAVEN, CT 06520;
ΑU
CS
      YALE UNIV, SCH MED, DEPT NEUROBIOL, NEW HAVEN, CT 06520
CYA
      USA
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JOURNAL OF NEUROCHEMISTRY, (DEC 1997) Vol. 69, No. 6, pp. 2261-2269. Publisher: LIPPINCOTT-RAVEN PUBL, 227 EAST WASHINGTON SQ, PHILADELPHIA, PA

SO

ISSN: 0022-3042. DT Article; Journal FS LIFE English LAREC Reference Count: 21 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 263 OF 441 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN L4AN97:397488 SCISEARCH GA The Genuine Article (R) Number: WZ565 Identification of ***human*** ***semaphorin*** E gene expression TIin rheumatoid synovial cells by mRNA differential display MangasserStephan K; Dooley S; Welter C; Mutschler W; Hanselmann R G ΑU (Reprint) UNIV SAARLAND, DEPT TRAUMATOL, SAARBRUCKEN, GERMANY (Reprint); UNIV SAARLAND, DEPT TRAUMATOL, SAARBRUCKEN, GERMANY; UNIV SAARLAND, DEPT HUMAN CS GENET, SÄARBRUCKEN, GERMANY CYA BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, (8 MAY 1997) Vol. SO 234, No. 1, pp. 153-156. Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900, SAN DIEGO, CA 92101-4495. ISSN: 0006-291X. DT Article; Journal FS LIFE English LAREC Reference Count: 25 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN L4ANSWER 264 OF 441 AN96:762584 SCISEARCH GA The Genuine Article (R) Number: VM681 ***HUMAN*** CD100, A NOVEL LEUKOCYTE ***SI PROMOTES B-CELL AGGREGATION AND DIFFERENTIATION ***SEMAPHORIN*** THAT TIHALL K T; BOUMSELL L; SCHULTZE J L; BOUSSIOTIS V A; DORFMAN D M; CARDOSO A ΑU A; BENSUSSAN A; NADLER L M; FREEMAN G J (Reprint)
HARVARD UNIV, SCH MED, DEPT MED, DANA FARBER CANC INST, DIV HEMATOL
MALIGNANCIES, BOSTON, MA, 02115 (Reprint); HARVARD UNIV, SCH MED, DEPT
MED, DANA FARBER CANC INST, DIV HEMATOL MALIGNANCIES, BOSTON, MA, 02115;
HOP ST LOUIS, INSERM U93, F-75675 PARIS 10, FRANCE; BRIGHAM & WOMENS HOSP,
DEPT PATHOL, BOSTON, MA, 02115 CS CYA USA; FRANCE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF SO AMERICA, (15 OCT 1996) Vol. 93, No. 21, pp. 11780-11785. ISSN: 0027-8424. DTArticle; Journal FS LIFE LΑ ENGLISH REC Reference Count: 25 *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS* ANSWER 265 OF 441 SO 96:372084 SCISEARCH L4SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN ANThe Genuine Article (R) Number: UK557 GΑ ***HUMAN*** ***SEMAPHORINS*** TI A(V) AND A-IV RESIDE IN THE 3P21.3 SMALL-CELL LUNG-CANCER DELETION REGION AND DEMONSTRATE DISTINCT EXPRESSION **PATTERNS** ΑU SEKIDO Y (Reprint); BADER S; LATIF F; CHEN J Y; DUH F M; WEI M H; ALBANESI J P; LEE C C; LERMAN M I; MINNA J D UNIV TEXAS, SW MED CTR, HAMON CTR THERAPEUT ONCOL RES, DALLAS, TX, 75235 (Reprint); UNIV TEXAS, SW MED CTR, DEPT PHARMACOL, DALLAS, TX, 75235; UNIV TEXAS, SW MED CTR, DEPT INTERNAL MED, DALLAS, TX, 75235; NCI, FREDERICK CANC RES & DEV CTR, SCI APPLICAT INT CORP, IMMUNOBIOL LAB, FREDERICK, MD, 21702; NCI, FREDERICK CANC RES & DEV CTR, SCI APPLICAT INT CORP, BIOL CARCINOGENESIS & DEV PROGRAM, FREDERICK, MD, 21702; BAYLOR COLL MED, DEPT CS

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MOL & HUMAN GENET, HOUSTON, TX, 77030

AMERICA, (30 APR 1996) Vol. 93, No. 9, pp. 4120-4125.

Reference Count: 30
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

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ISSN: 0027-8424.

Article; Journal

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ANSWER 266 OF 441
                          SCISEARCH COPYRIGHT 2004 THOMSON ISI ON STN
L4
                SCISEARCH
AN
     96:161327
     The Genuine Article (R) Number: TW558
GΑ
     ISOLATION OF THE
                          ***HUMAN***
                                           ***SEMAPHORIN***
                                                                III/F GENE (SEMA3F)
TI
     AT CHROMOSOME 3P21, A REGION DELETED IN LUNG-CANCER
XIANG R H; HENSEL C H; GARCIA D K; CARLSON H C; KOK K; DALY M C; KERBACHER
ΑU
     K; VANDENBERG A; VELDHUIS P; BUYS C H C M; NAYLOR S L (Reprint)
     UNIV TEXAS, HLTH SCI CTR, DEPT CELLULAR & STRUCT BIOL, SAN ANTONIO,
CS
     78284 (Reprint); UNIV TEXAS, HLTH SCI CTR, DEPT CELLULAR & STRUCT BIOL,
     SAN ANTONIO, TX, 78284; UNIV GRONINGEN, DEPT MED GENET, GRONINGEN,
     NETHERLANDS
CYA
     USA; NETHERLANDS
SO
     GENOMICS, (15 FEB 1996) Vol. 32, No. 1, pp. 39-48.
     ISSN: 0888-7543
DT
     Article; Journal
FS
     LIFE
LΑ
     ENGLISH
REC
     Reference Count: 34
     *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
     ANSWER 267 OF 441
                        SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
T.4
               SCISEARCH
AN
     94:19916
GΑ
     The Genuine Article (R) Number: MP869
                                GENES ENCODE A FAMILY OF TRANSMEMBRANE AND
            ***SEMAPHORIN***
ΤI
     SECRETED GROWTH CONE GUIDANCE MOLECULES
     KOLODKIN A L (Reprint); MATTHES D J; GOODMAN C S
ΑU
     UNIV CALIF BERKELEY, HOWARD HUGHES MED INST, DEPT MOLEC & CELL BIOL, DIV
CS
     NEUROBIOL, BERKELEY, CA, 94720 (Reprint)
CYA
     USA
SO
     CELL, (31 DEC 1993) Vol. 75, No. 7, pp. 1389-1399.
     ISSN: 0092-8674.
DT
     Article; Journal
FS
     LIFE
LΑ
     ENGLISH
REC
     Reference Count: 45
     *ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS*
     ANSWER 268 OF 441
                          TOXCENTER COPYRIGHT 2004 ACS on STN
L4
                 TOXCENTER
AN
     2004:19684
DN
     DART-TER-3001462
TI
     Molecular analysis of phenotypes in congenital heart diseases using
     genome-based knockout mice.
ΑU
     Miura N
     Department of Biochemistry, Hamamatsu University School of Medicine,
CS
     Hamamatsu, Shizuoka, Japan.
SO
     Congenit Anom Kyoto, (2002 Sep) 42 (3) 227.
     ISSN: 0914-3505
     Abstract; (MEETING ABSTRACT)
DT
FS
     DART
LА
     English
     Entered STN: 20040203
ED
     Last Updated on STN: 20040203
                         TOXCENTER COPYRIGHT 2004 ACS on STN
     ANSWER 269 OF 441
L4
                 TOXCENTER
AN
     2002:19857
     PubMed ID: 11583986
DN
        ***Collapsin***
                           response mediator protein switches RhoA and Racl
TI
     morphology in N1E-115 neuroblastoma cells and is regulated by Rho kinase
     Hall C; Brown M; Jacobs T; Ferrari G; Cann N; Teo M; Monfries C; Lim L
ΑU
     Department of Neurochemistry, Institute of Neurology, University College London, 1 Wakefield Street, London WC1N IPJ, United Kingdom.
CS
     C.Hall@ion.ucl.ac.uk
     Journal of biological chemistry, (2001 Nov 16) 276 (46) 43482-6. 
Journal Code: 2985121R. ISSN: 0021-9258.
SO
CY
     United States
DT
     Journal; Article; (JOURNAL ARTICLE)
FS
     MEDLINE
OS
     MEDLINE 2001652592
LΑ
     English
     Entered STN: 20020129
ED
     Last Updated on STN: 20030106
     ANSWER 270 OF 441
                          TOXCENTER COPYRIGHT 2004 ACS on STN
L4
                  TOXCENTER
ΑN
     2002:18385
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DN

PubMed ID: 11688556

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arteriosus and aortic arch interruption
     Feiner L; Webber A L; Brown C B; Lu M M; Jia L; Feinstein P; Mombaerts P; Epstein J A; Raper J A
Department of Neuroscience, University of Pennsylvania School of Medicine,
ΑU
CS
      Philadelphia 19104, USA
NC
      F32AR08584 (NIAMS)
      HL61475 (NHLBI)
      HL62974 (NHLBI)
      RO1 NS38548 (NINDS)
      T32HD07516 (NICHD)
      Development (Cambridge, England), (2001 Aug) 128 (16) 3061-70. Journal Code: 8701744. ISSN: 0950-1991.
SO
CY
      England: United Kingdom
DT
      Journal; Article; (JOURNAL ARTICLE)
      MEDLINE
FS
      MEDLINE 2001635185
OS
LΑ
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ED
      Entered STN: 20020129
      Last Updated on STN: 20040217
      ANSWER 271 OF 441
                            TOXCENTER COPYRIGHT 2004 ACS on STN
L4
                    TOXCENTER
AN
      2000:71673
      Copyright 2004 BIOSIS PREV200000060650
CP
DN
        ***Semaphorin***
                                3A growth cone collapse requires a sequence
TI
      homologous to tarantula hanatoxin
      Behar, Oded [Reprint author]; Mizuno, Keiko; Badminton, Mike; Woolf,
ΔU
      Clifford J.
      Neural Plasticity Research Group, Department of Anesthesia and Critical
CS
      Care, Massachusetts General Hospital, Harvard Medical School, Charlestown,
      MA, USA
      Proceedings of the National Academy of Sciences of the United States of America, (Nov. 9, 1999) Vol. 96, No. 23, pp. 13501-13505. print. CODEN: PNASA6. ISSN: 0027-8424.
SO
DT
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FS
      BIOSIS
OS
      BIOSIS 2000:60650
LΑ
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      Entered STN: 20011116
ED
      Last Updated on STN: 20020108
      ANSWER 272 OF 441
                            TOXCENTER COPYRIGHT 2004 ACS on STN
L4
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AN
      2000:51782
      PubMed ID: 10781943
Plexin/neuropilin complexes mediate repulsion by the axonal guidance
DN
ΤI
                 ***semaphorin***
      signal
                                        3A
ΑU
      Rohm B; Ottemeyer A; Lohrum M; Puschel A W
      Molecular Neurogenetics Laboratory, Department of Neurochemistry,
CS
      Max-Planck-Institute for Brain Research, Deutschordenstrasse 46, D-60528,
      Frankfurt, Germany
SO
      Mechanisms of development, (2000 May) 93 (1-2) 95-104.
      Journal Code: 9101218. ISSN: 0925-4773.
CY
      Ireland
      Journal; Article; (JOURNAL ARTICLE)
DT
FS
      MEDLINE
      MEDLINE 2000400949
OS
LΑ
      English
      Entered STN: 20011116
ED
      Last Updated on STN: 20011116
                            TOXCENTER COPYRIGHT 2004 ACS on STN
      ANSWER 273 OF 441
L4
                    TOXCENTER
AN
      2000:35179
      PubMed ID: 10757975
DN
      Neurofibrillary tangle-associated ***collapsin*** response mediated protein-2 (CRMP-2) is highly phosphorylated on Thr-509, Ser-518, and
TI
                                                                        response mediator
      Ser-522
ΑU
      Gu Y; Hamajima N; Ihara Y
      Department of Neuropathology, Faculty of Medicine, University of Tokyo, Hongo 7-3-1, Bunkyo-ku, Tokyo 113-0033, Japan Biochemistry, (2000 Apr 18) 39 (15) 4267-75.
CS
SO
      Journal Code: 0370623. ISSN: 0006-2960.
CY
      United States
      Journal; Article; (JOURNAL ARTICLE)
DT
FS
      MEDLINE
os
      MEDLINE 2000222961
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ΕD
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         Last Updated on STN: 20011116
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         ANSWER 274 OF 441
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AN
              2004:133839
TI
              Use of rgm and its modulators
             Mueller, Bernhard K, Neustadt, GERMANY, FEDERAL REPUBLIC OF Monnier, Philippe P, Toronto, CANADA Macchi, Paolo, Tubingen, GERMANY, FEDERAL REPUBLIC OF Bonhoeffer, Friedrich, Tubingen, GERMANY, FEDERAL REPUBLIC OF Stahl, Bernd, Tubingen, GERMANY, FEDERAL REPUBLIC OF Mann, Matthias, Odense M, DENMARK Anderson, Jons S, Odense SO, DENMARK Anderson, Jons S, Odense SO, DENMARK
IN
                                                             20040527
PΙ
              US 2004102376
                                                  Α1
AΙ
             US 2003-451586
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             WO 2001-EP15289
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PRAI
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LN.CNT
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                           514/044.000
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              ICS: A61K038-17
         ANSWER 275 OF 441
2004:127727 USI
L4
                                              USPATFULL on STN
ΑN
                                      USPATFULL
             Immunoglobulin superfamily proteins
Yue, Henry, Sunnyvale, CA, UNITED STATES
Xu, Yuming, Mountain View, CA, UNITED STATES
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES
Warren, Bridget A, San Marcos, CA, UNITED STATES
Tang, Y Tom, San Jose, CA, UNITED STATES
Duggan, Brendan M, Sunnyvale, CA, UNITED STATES
Tran, Liven K, San Jose, CA, UNITED STATES
TI
IN
             Tran, Uyen K, San Jose, CA, UNITED STATES
             Baughn, Mariah R, Los Angeles, CA, UNITED STATES
Honchell, Cynthia D, San Carlos, CA, UNITED STATES
Buford, Neil G, Durham, CT, UNITED STATES
Forsythe, Ian J, Edmonton, CANADA
Yang, Junming, San Jose, CA, UNITED STATES
Mason, Patricia M, Morgan Hill, CA, UNITED STATES
                                                             20040520
PΙ
             US 2004097711
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ΑI
             US 2003-471449
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             WO 2002-US9052
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FS
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              INCLS: 435/069.100; 435/326.000; 435/320.100; 536/023.530
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             NCLS:
                           435/069.100; 435/326.000; 435/320.100; 536/023.530
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
          ANSWER 276 OF 441 USPATFULL on STN
              2004:108359 USPATFULL
AN
TI
              Cell adhesion proteins
             Duggan, Brendan M., Sunnyvale, CA, UNITED STATES Xu, Yuming, Mountain View, CA, UNITED STATES Lee, Ernestine A., Castro Valley, CA, UNITED STATES Lee, Sally, San Jose, CA, UNITED STATES
IN
             Lu, Dyung Aina M., San Jose, CA, UNITED STATES Warren, Bridget A., San Marcos, CA, UNITED STATES
             Yue, Henry, Sunnyvale, CA, UNITED STATES
Gietzen, Kimberly J., San Jose, CA, UNITED STATES
Honchell, Cynthia D., San Carlos, CA, UNITED STATES
Burford, Neil, Durham, CT, UNITED STATES
Baughn, Mariah R., San Leandro, CA, UNITED STATES
Tang, Y. Tom, San Jose, CA, UNITED STATES
              Jackson, Jennifer L., Santa Cruz, CA, UNITED STATES
```

```
Kallick, Deboran A., Glaveston, TX, UNITED STATES
Bandman, Olga, Mountain View, CA, UNITED STATES
Graul, Richard C., San Francisco, CA, UNITED STATES
Chawla, Narinder K., Union City, CA, UNITED STATES
Lu, Yan, Mountain View, CA, UNITED STATES
           Ramkumar, Jayalaxmi, Fremont, CA, UNITED STATES
           Yao, Monique G., Mountain View, CA, UNITED STATES Lal, Preeti G., Santa Clara, CA, UNITED STATES
           US 2004082761
US 2003-451010
                                                    20040429
PI
                                          A1
AI
                                           A1
                                                    20030617
                                                                   (10)
           WO 2001-US49206
                                                    20011218
DT
           Utility
           APPLICATION
FS
LN.CNT
           6999
INCL
           INCLM: 530/350.000
           INCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 530/388.220;
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           NCLM:
                       530/350.000
                       435/006.000; 435/069.100; 435/320.100; 435/325.000; 530/388.220;
           NCLS:
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IC
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            ICM: C12Q001-68
            ICS: C07H021-04; C07K014-705; C07K016-18; A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                                        USPATFULL on STN
        ANSWER 277 OF 441
L4
           2004:95559
                              USPATFULL
AN
           Secreted and transmembrane polypeptides and nucleic acids encoding the
TI
           Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
IN
           Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
           Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
           Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart Timothy A San Francisco, CA, UNITED STATES
           Stewart, Timothy A., San Francisco, CA,
                                                                              UNITED STATES
           Tumas, Daniel, Orinda, CA, UNITED STATES
           Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
           Genentech, Inc. (U.S. corporation)
PA
PI
           US 2004073015
                                           A1
                                                    20040415
                                                    20011212 (10)
ΑI
           US 2001-15395
                                           A1
           Continuation of Ser. No. US 2001-946374, filed on 4 Sep 2001, PENDING Continuation of Ser. No. WO 2000-US4342, filed on 18 Feb 2000, PENDING
RLI
           Continuation-in-part of Ser. No. US 1999-403297, filed on 18 Oct 1999, ABANDONED A 371 of International Ser. No. WO 1999-US20111, filed on 1
           Sep 1999, PENDING
PRAI
           US 1999-144758P
                                             19990720 (60)
           US 1998-101477P
                                             19980923 (60)
DT
           Utility
           APPLICATION
FS
LN.CNT
           30629
INCL
            INCLM: 536/023.200
            INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
                       530/388.100
NCL
           NCLM:
                       536/023.200
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                       435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
                       530/388.100
IC
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            ICM: C12P021-02
            ICS: C12N005-06; C07K014-47; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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L4

ANSWER 278 OF 441 USPATFULL on STN

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T.T.
                              Secreted proteins
                             Tang, Y Tom, San Jose, CA, UNITED STATES
Yue, Henry, Sunnyvale, CA, UNITED STATES
Gandhi, Ameena R., San Francisco, CA, UNITED STATES
Yao, Monique G., Mountain View, CA, UNITED STATES
Warren, Bridget A., San Marcos, CA, UNITED STATES
IN
                              Ding, Li, Creve Coeur, MO, UNITED STATES
                            Ding, Li, Creve Coeur, MO, UNITED STATES
Duggan, Brendan M., Sunnyvale, CA, UNITED STATES
Xu, Yuming, Mountain View, CA, UNITED STATES
Yang, Junming, San Jose, CA, UNITED STATES
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES
Lal, Preeti G., Santa Clara, CA, UNITED STATES
Honchell, Cynthia D., San Carlos, CA, UNITED STATES
Chawla, Narinder K., Union City, CA, UNITED STATES
Lee, Sally, San Jose, CA, UNITED STATES
Lee, Ernestine A., Castro Valley, CA, UNITED STATES
Richardson, Thomas W., Redwood City, CA, UNITED STATES
Baughn, Mariah R., Los Angeles, CA, UNITED STATES
Elliott, Vicki S., San Jose, CA, UNITED STATES
US 2004063924
Al 20040401
US 2003-470360
Al 20030725 (10)
                             US 2004063924
US 2003-470360
WO 2002-US2616
Utility
PI
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AΙ
                                                                                                               A1
                                                                                                                                      20020128
DT
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FS
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                     ANSWER 279 OF 441 USPATFULL on STN 2004:70596 USPATFULL
L4
AN
                              Extracellular matrix and cell adhesion molecules
TI
                             Extracellular matrix and cell adhesion molecules Tang, Y Tom, San Jose, CA, UNITED STATES
Yue, Henry, Sunnyvale, CA, UNITED STATES
Azimzai, Yalda, Oakland, CA, UNITED STATES
He, Ann, San Jose, CA, UNITED STATES
Lo, Terence P, Foster City, CA, UNITED STATES
Nguyen, Daniel B, San Jose, CA, UNITED STATES
Nguyen, Daniel B, San Jose, CA, UNITED STATES
Marcus, Gregory A, San Carlos, CA, UNITED STATES
Zingler, Kurt A, San Francisco, CA, UNITED STATES
IN
                            Marcus, Gregory A, San Carlos, CA, UNITED STATES Zingler, Kurt A, San Francisco, CA, UNITED STATES Gandhi, Ameena R, San Francisco, CA, UNITED STATES Kearney, Liam, San Francisco, CA, UNITED STATES Burford, Neil, Durham, CT, UNITED STATES Yao, Monique G, Carmel, IN, UNITED STATES Chawla, Narinder K, Union City, CA, UNITED STATES Elliott, Vicki S, San Jose, CA, UNITED STATES Arvizu, Chandra S, San Jose, CA, UNITED STATES Baughn, Mariah R, San Leandro, CA, UNITED STATES Hafalia, April J A, Santa Clara, CA, UNITED STATES Policky, Jennifer L, San Jose, CA, UNITED STATES Au-Young, Janice K, Brisbane, CA, UNITED STATES Lu, Yan, Mountain View, CA, UNITED STATES
                            Lu, Yan, Mountain View, CA, UNITED STATES
Borowsky, Mark L, Redwood City, CA, UNITED STATES
Lu, Dyung Aina M, San Jose, CA, UNITED STATES
Ramkumar, Jayalaxmi, Fremont, CA, UNITED STATES
Yang, Junming, San Jose, CA, UNITED STATES
Yang, Junming, San Jose, CA, UNITED STATES
Gururajan, Rajagopal, San Jose, CA, UNITED STATES
Warren, Bridget A, Encinitas, CA, UNITED STATES
Gietzen, Kimberly J, San Jose, CA, UNITED STATES
Xu, Yuming, Mountain View, CA, UNITED STATES
Kallick, Deborah A, Portola Valley, CA, UNITED STATES
Lee, Ernestine A, Castro Valley, CA, UNITED STATES
Thangavelu, Kavitha, Sunnyvale, CA, UNITED STATES
Delegeane, Angelo M, Milpitas, CA, UNITED STATES
Lee, Sally, San Jose, CA, UNITED STATES
Lee, Sally, San Jose, CA, UNITED STATES
Lal, Preetr G., Santa Clara, CA, UNITED STATES
Khan, Farrah A., Des Plaines, IL, UNITED STATES
US 2004053824

Al 20040318
                              Lu, Yan, Mountain View, CA, UNITED STATES
 ΡI
                                                                                                                                     20040318
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                                                                                                                A1
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WO 2001-US21067
                                       20010629
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DT
         APPLICATION
LN.CNT 13526
INCL
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         INCLS: 435/006.000; 435/069.100; 435/320.100; 435/325.000; 530/350.000;
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                  514/012.000
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         ICM: C07K014-705
         ICS: C12Q001-68; C07H021-04; C12P021-02; C12N005-06; A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 280 OF 441 USPATFULL on STN
L4
         2004:69537 USPATFULL
AN
         Recombinant aav vectors with aav5 capsids and aav5 vectors pseudotyped
TI
         in heterologous capsids
         Hildinger, Markus, Boston, MA, UNITED STATES Wilson, James M., Gladwyne, PA, UNITED STATES Auricchio, Alberto, Napoli, ITALY US 2004052764 A1 20040318
IN
ΡI
         US 2002-257961
                                 Α1
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AI
         WO 2001-US13000
                                        20010423
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         ICS: C12N015-861
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 281 OF 441 USPATFULL on STN
L4
                       USPATFULL
         2004:66006
AN
TI
         DNA array sequence selection
         Lorenz, Matthias, Bethesda, MD, United States
The United States of America as represented by the Department of Health
IN
PA
         and Human Services, Washington, DC, United States (U.S. government) US 6706867 B1 20040316
PΙ
ΑI
         US 2000-741238
                                        20001219 (9)
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FS
LN.CNT
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         INCLM: 536/023.100
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NCLM: 536/023.100
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         [7]
IC
         ICM: C07H021-04
         ICS: C12Q001-68
         435/6; 536/24.32; 536/24.31; 536/24.33; 536/23.1
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 282 OF 441 USPA
2004:57422 USPATFULL
L4
                             USPATFULL on STN
AN
         Immunoglobulin superfamily proteins
TI
         Baughn, Mariah R, San Leandro, CA, UNITED STATES
Lu, Dyung Aina M, San Jose, CA, UNITED STATES
IN
                      Sunnyvale, CA, UNITED STATES
         Yu, Henry, Sunnyvale, CA, UNITED STATES
Vicki, Elliott S, San Jose, CA, UNITED STATES
         Thangavelu, Kayitha, Sunnyvale, CA, UNITED STATES
         Ramkumar, Jayalaxmi, Fremont, CA, UNITED STATES
         Lu, Yan, Mountain View, CA, UNITED STATES
Lo, Terrence P, Foster City, CA, UNITED STATES
         Gururajan, Rajagopal, San Jose, CA, UNITED STATES
         Gandhi, Ameena R, San Francisco, CA, UNITED STATES
Arvizu, Chandra S, San Jose, CA, UNITED STATES
Yao, Monique G, Carmel, IN, UNITED STATES
                                        20040304
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PI
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ΑI
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D.I.
             Utility
FS
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LN.CNT 5627
             INCLM: 435/007.100
INCL
             INCLS: 435/069.100; 435/320.100; 435/325.000; 530/350.000; 530/388.220;
                          536/023.500; 800/018.000
                          435/007.100
NCL
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             NCLS:
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             ICM: G01N033-53
             ICS: A01K067-027; C07H021-04; C07K014-705; C07K016-28
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
         ANSWER 283 OF 441
                                          USPATFULL on STN
AN
             2004:44611
                                   USPATFULL
             Recombinant lentiviral vectors pseudotyped in envelopes containing
TI
             filovirus binding domains
             Kobinger, Gary, Philadelphia, PA, UNITED STATES
IN
             Wilson, James M., Gladwyne, PA, UNITED STATES
PI
             US 2004033604
                                                          20040219
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AI
             US 2002-257960
                                                A1
                                                          20021025
                                                                          (10)
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                                                          20010420
DT
             Utility
FS
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LN.CNT
            1603
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             INCLM: 435/456.000
             INCLS: 435/235.100; 424/093.200
                          435/456.000
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             NCLS:
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             ICS: C12N007-00; A61K048-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
         ANSWER 284 OF 441
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AN
             2004:44499
            Proteins and nucleic acids encoding same
Alsobrook, John P., II, Madison, CT, UNITED STATES
Anderson, David W., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
TI
IN
            Boldog, Ferenc L., North Haven, CT, UNITED STATES Casman, Stacie J., North Haven, CT, UNITED STATES Colman, Steven D., Guilford, CT, UNITED STATES
             Edinger, Shlomit R., New Haven, CT, UNITED STATES
            Ellerman, Karen, Branford, CT, UNITED STATES
Gerlach, Valerie, Branford, CT, UNITED STATES
Gorman, Linda, Branford, CT, UNITED STATES
Grosse, William M., Branford, CT, UNITED STATES
Guo, Xiaojia Sasha, Branford, CT, UNITED STATES
Herrmann, John L., Guilford, CT, UNITED STATES
Kekuda Pamesh Danbury CT UNITED STATES
             Kekuda, Ramesh, Danbury, CT, UNITED STATES
            Lepley, Denise M., Branford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
MacDougall, John R., Hamden, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
Pena, Carol E. A., New Haven, CT, UNITED STATES
Peyman, John A., New Haven, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Rieger, Daniel K., Branford, CT, UNITED STATES
Shimkets Richard A Guilford, CT, UNITED STATES
             Shimkets, Richard A., Guilford, CT, UNITED STATES Smithson, Glennda, Guilford, CT, UNITED STATES
             Spytek, Kimberly A., New Haven, CT, UNITED STATES Stone, David J., Guilford, CT, UNITED STATES
            Stone, David J., Guilford, CT, UNITED STATES
Tchernev, Velizar T., Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Voss, Edward Z., Wallingford, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Zhong, Haihong, Guilford, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES
US 2004033491 Al 20040219
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ΑI
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PRAI
             US 2000-254329P
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          INCLS: 435/069.100; 435/183.000; 435/320.100; 435/325.000; 530/350.000;
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                    536/023.200
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          ICM: C12Q001-68
          ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 285 OF 441 USPATFULL on STN
AN
          2004:38683
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          Proteins and nucleic acids encoding same
TI
         Edinger, Shlomit R., New Haven, CT, UNITED STA MacDougall, John R., Hamden, CT, UNITED STATES Millet, Isabelle, Milford, CT, UNITED STATES
IN
                                                             UNITED STATES
         Ellerman, Karen, Branford, CT,
                                                      UNITED STATES
          Stone, David J., Guilford, CT, UNITED STATES
          Gerlach, Valerie, Branford, CT,
                                                       UNITED STATES
          Grosse, William M., Branford, CT, UNITED STATES
         Alsobrook, John P., II, Madison, CT, UNITED STATES
Lepley, Denise M., Branford, CT, UNITED STATES
Rieger, Danier K., Branford, CT, UNITED STATES
         Burgess, Catherine E., Wethersfield, CT, UNITED ST. Casman, Stacie J., North Haven, CT, UNITED STATES Spytek, Kimberly A., New Haven, CT, UNITED STATES Boldog, Ference L., North Haven, CT, UNITED STATES Li, Li, Branford, CT, UNITED STATES
                                                                    UNITED STATES
          Padigaru, Muralidhara, Branford, CT,
                                                              UNITED STATES
         Mishra, Vishnu, Gainesville, FL, UNITED STATES
          Patturajan, Meera, Branford, CT, UNITED STATES
         Shenoy, Suresh G., Branford, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Tchernev, Velizar T., Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Zerhusen, Bryan D., Branford, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Guo, Xiaojia (Sasha), Branford, CT, UNITED STATES
Miller Charles E Guilford CT UNITED STATES
         Miller, Charles E., Guilford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
          Grosse, Michael, UNITED STATES
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         US 2004029222
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         US 2000-253834P
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                                       20001130
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          US 2001-264180P
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DT
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                    530/388.100; 435/007.230; 435/006.000
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          ICM: C12Q001-68
          ICS: G01N033-574; C07H021-04; C12N009-00; C12P021-02; C12N005-06;
          C07K014-47; C07K016-30
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 286 OF 441
                                 USPATFULL on STN
          2004:38677
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AN
          Proteins, polynucleotides encoding them and methods of using the same
ΤI
          Padigaru, Muralidhara, Branford, CT, UNITED STATES
IN
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Zernusen, Bryan D., Braniord, CT, UNITED STATES
Casman, Stacie J., North Haven, CT, UNITED STATES
Shenoy, Suresh G., Branford, CT, UNITED STATES
            Shenoy, Suresh G., Branford, CT, UNITED STATES
Spytek, Kimberly, New Haven, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Vernet, Corine A.M., Branford, CT, UNITED STATES
Taylor, Sarah, Guilford, CT, UNITED STATES
Tcherney, Velizar T., Branford, CT, UNITED STATES
            Tchernev, Velizar T., Branford, CT, UNITED STATES Miller, Charles E., Guilford, CT, UNITED STATES
            Guo, Xiaojia, Branford, CT, UNITED STATES
            Boldog, Ferenc L., North Haven, CT, UNITED STATES Grosse, William M., Branford, CT, UNITED STATES
            Alsobrook, John P., II, Madison, CT, UNITED STATES
            Gerlach, Valerie L., Branford, CT, UNITED STATES
Edinger, Shlomit R., New Haven, CT, UNITED STATES
            Rothenberg, Mark E., Clinton, CT, UNITED STATES
Ellerman, Karen, Branford, CT, UNITED STATES
MacDougall, John, Hamden, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
Peyman, John, New Haven, CT, UNITED STATES
Smithson, Glennda, Branford, CT, UNITED STATES
            Smithson, Glennda, Branford, CT, UNITED STATES
Gunther, Erik, Branford, CT, UNITED STATES
Stone, David, Guilford, CT, UNITED STATES
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LN.CNT
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                         435/320.100; 435/325.000; 530/350.000; 536/023.500
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             ICM: C07K014-435
             ICS: C07H021-04; C12P021-02; C12N005-06
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
         ANSWER 287 OF 441
                                          USPATFULL on STN
L4
                                  USPATFULL
AN
             2004:38630
            Reducing NgR-p75 mediated inhibition of axon regeneration He, Zhigang, Boston, MA, UNITED STATES Wang, Kevin C., Boston, MA, UNITED STATES Kim, Jieun A., Boston, MA, UNITED STATES Children's Medical Center Corporation (U.S. corporation)
ΤI
IN
PA
             US 2004029169
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             US 2002-211157
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             NCLS:
                         435/007.200
IC
             ICM: G01N033-53
             ICS: G01N033-567
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
         ANSWER 288 OF 441
                                          USPATFULL on STN
             2004:38611 USPATFULL
AN
ΤI
             Therapeutic polypeptides, nucleic acids encoding same, and methods of
             use
             Alsobrook, John, II, Madison, CT, UNITED STATES
Anderson, David, Plantsville, CT, UNITED STATES
Boldog, Ferenc, North Haven, CT, UNITED STATES
IN
             Burgess, Catherine, Wethersfield, CT, UNITED STATES
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Edinger, Shlomit R., New Haven, CT, UNITED STATES
           Gerlach, Valerie, Branford, CT, UNITED STATES
           Grosse, William, Branford, CT, UNITED STATES
           Guo, Xiaojia, Branford, CT, UNITED STATES
           Gusev, Vladimir, Madison, CT, UNITED STATES
Ji, Weizhen, Branford, CT, UNITED STATES
           LaRochelle, William, Madison, CT, UNITED STATES
Lepley, Denise, Branford, CT, UNITED STATES
           Lepley, Denise, Branford, CT, UNITE
Li, Li, Branford, CT, UNITED STATES
           Liu, Xiaohong, Branford, CT, UNITED STATES
MacDougall, John R., Hamden, CT, UNITED STATES
Malyankar, Uriel M., Branford, CT, UNITED STATES
Millet, Isabelle, Milford, CT, UNITED STATES
           Padigaru, Muralidhara, Branford, CT, UNITED STATES
Patturajan, Meera, Branford, CT, UNITED STATES
Peyman, John A., New Haven, CT, UNITED STATES
Rastelli, Luca, Guilford, CT, UNITED STATES
Rieger, Daniel, Branford, CT, UNITED STATES
Raterbara, Mark F. Clinton, CT, UNITED STATES
           Rothenberg, Mark E., Clinton, CT, UNITED STATES
Shimkets, Richard, Guilford, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Taupier, Raymond, JR., East Haven, CT, UNITED STATES
Vernet, Corine, North Branford, CT, UNITED STATES
Vernet, Corine, Prophered CT, UNITED STATES
           Zerhusen, Bryan, Branford, CT, UNITED STATES
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PRAI
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           NCLM:
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           NCLS:
                       536/023.500
IC
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            ICM: C12Q001-68
            ICS: A61K038-17; C12P021-02; C12N005-06; C07K014-47; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 289 OF 441
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L4
AN
            2004:38601 USPATFULL
            Therapeutic polypeptides, nucleic acids encoding same, and methods of
ΤI
           Anderson, David W., Branford, CT, UNITED STATES
Burgess, Catherine E., Wethersfield, CT, UNITED STATES
Casman, Stacie J., North Haven, CT, UNITED STATES
Gorman, Linda, Branford, CT, UNITED STATES
IN
           Ji, Weizhen, Branford, CT, UNITED STATES
Kekuda, Ramesh, Norwalk, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
            Padigaru, Muralidhara, Branford, CT, UNITED STATES
            Patturajan, Meera, Branford, CT, UNITED STATES
           Pena, Carol E. A., New Haven, CT, UNITED STATES
Shenoy, Suresh G., Branford, CT, UNITED STATES
Shimkets, Richard A., Guilford, CT, UNITED STATES
Stone, David J., Guilford, CT, UNITED STATES
Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
US 2004029140 A1 20040212
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            US 2003-357820
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ΑI
            Continuation-in-part of Ser. No. US 2000-679460, filed on 4 Oct 2000,
RLI
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            Dec 2000, PENDING Continuation-in-part of Ser. No. US 2002-74978, filed
           on 12 Feb 2002, PENDING Continuation-in-part of Ser. No. US 2002-138588, filed on 1 May 2002, PENDING US 2002-387002P 20020607 (60)
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
         ANSWER 290 OF 441 USPATFULL on STN
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ΤI
             Edinger, Shlomit R., New Haven, CT, UNITED STATES MacDougall, John R., Hamden, CT, UNITED STATES Millet, Isabelle, Milford, CT, UNITED STATES Ellerman, Karen, Branford, CT, UNITED STATES Stone David J. Guilford, CT, UNITED STATES
IN
             Stone, David J., Guilford, CT, UNITED STATES Gerlach, Valerie, Branford, CT, UNITED STATES
             Grosse, William M., Branford, CT, UNITED STATES
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                                                                                           UNITED STATES
             Padigaru, Muralidhara, Branford, CT, UNITED STATES Mishra, Vishnu, Gainesville, FL, UNITED STATES Patturajan, Meera, Branford, CT, UNITED STATES Shenoy, Suresh G., Branford, CT, UNITED STATES Rastelli, Luca, Guilford, CT, UNITED STATES Tchernev, Velizar T., Branford, CT, UNITED STATES Vernet, Corine A.M., Branford, CT, UNITED STATES Zerhusen, Bryan D., Branford, CT, UNITED STATES Malyankar, Uriel M., Branford, CT, UNITED STATES Guo, Xiaojia, Branford, CT, UNITED STATES Miller, Charles E., Guilford, CT, UNITED STATES Gangolli, Esha A., Madison, CT, UNITED STATES US 2004029116 A1 20040212
             Padigaru, Muralidhara, Branford, CT,
                                                                                  UNITED STATES
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PΙ
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              US 2001-327456P
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DT
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FS
LN.CNT
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              NCLS:
                           536/023.200
IC
              [7]
              ICM: C12Q001-68
              ICS: C07\overline{H}021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-47
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
                                              USPATFULL on STN
          ANSWER 291 OF 441
L4
ΑN
              2004:38576
                                    USPATFULL
              Methods of diagnosis of breast cancer, compositions and methods of
TI
              screening for modulators of breast cancer
              Mack, David H., Menlo Park, CA, UNITED STATES
Gish, Kurt C., San Francisco, CA, UNITED STATES
Afar, Daniel, Brisbane, CA, UNITED STATES
Eos Technology, Inc., South San Francisco, CA, UNITED STATES, 94080-7019
 IN
 PA
              (U.S. corporation)
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US 2002-58270
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AI
        US 2001-263965P
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                                             (60)
DT
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FS
        APPLICATION
LN.CNT 42494
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NCL
        NCLM:
                 435/069.100; 435/320.100; 435/325.000; 530/350.000; 536/023.500
        NCLS:
IC
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         ICM: C12Q001-68
         ICS: C07H021-04; C07K014-72; C12P021-02; C12N005-06
     INDEXING IS AVAILABLE FOR THIS PATENT.
CAS
      ANSWER 292 OF 441
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L4
         2004:34049
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AN
         Polynucleotides and proteins encoded thereby
TΙ
        Shimkets, Richard A., West Haven, CT, United States
Curagen Corporation, New Haven, CT, United States (U.S. corporation)
IN
PA
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PΙ
        US 6689866
        US 2000-520781
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ΑI
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PRAI
        US 1999-123667P
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INCL
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NCL
        NCLM:
                 435/006.000; 435/007.100; 435/069.100; 530/300.000
        NCLS:
         [7]
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         ICM:
              C07K001-00
EXF
         530/300; 530/350; 435/7.1; 435/6; 435/69.1
     INDEXING IS AVAILABLE FOR THIS PATENT.
CAS
      ANSWER 293 OF 441
                              USPATFULL on STN
L4
         2004:25135 USPATFULL
AN
                                  -like proteins and methods of using same
ΤI
           ***Semaphorin***
        Alvarez, Enrique, Clinton, CT, UNITED STATES
Anderson, David W., Plantsville, CT, UNITED STATES
Dhanabal, Mohanraj, Branford, CT, UNITED STATES
Khramtsov, Nikolai V., Branford, CT, UNITED STATES
IN
         LaRochelle, William J., Madison, CT,
                                                       UNITED STATES
         Lichenstein, Henri S., Guilford, CT
Li, Li, Branford, CT, UNITED STATES
                                                 CT,
                                                       UNITED STATES
        Ooi, Chean Eng, Branford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
Shimkets, Richard A., Guilford, CT, UNITED STATES
Zhong, Mei, Branford, CT, UNITED STATES
US 2004018977 Al 20040129
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PI
                                       20030530 (10)
         US 2003-449548
\mathtt{AI}
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         Continuation-in-part of Ser. No. US 2000-520781, filed on 8 Mar 2000,
RLI
         PENDING Continuation-in-part of Ser. No. US 2003-403676, filed on 31 Mar
         2003, PENDING
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         US 2002-371002P
                                              (60)
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         US 2002-384798P
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         US 2002-402407P
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                                              (60)
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INCL
         INCLM: 514/012.000
         INCLS: 435/366.000; 435/372.000; 514/044.000
NCL
         NCLM:
                  514/012.000
                  435/366.000; 435/372.000; 514/044.000
         NCLS:
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         ICM: A61K038-17
         ICS: A61K048-00; C12N005-08
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 294 OF 441 USPATFULL on STN
L4
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Classification and prognosis prediction of acute lymphoblastic leukemia
TT
          by gene expression profiling Downing, James R., Cordova, TN, UNITED STATES
IN
          Yeoh, Eng-Juh, Singapore, SINGAPORE Wilkins, Dawn E., Oxford, MS, UNITED STATES
          Wong, Limsoon, Singapore, SINGAPORE
                                               20040129
ΡI
          US 2004018513
                                       A1
                                               20030318
ΑI
          US 2003-391271
                                       Α1
                                        20020322 (60)
PRAI
          US 2002-367144P
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          9169
          INCLM: 435/006.000
INCL
                    435/006.000
NCL
          NCLM:
IC
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          ICM: C12Q001-68
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 295 OF 441
                                  USPATFULL on STN
L4
AN
          2004:18828
                            USPATFULL
          Secreted and transmembrane polypeptides and nucleic acids encoding the
ΤI
          Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
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          Fong, Sherman, Alameda, CA, UNITED STATES
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Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
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                 Teresa, Seattle, WA, UNITED STATES
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       Hart, Charles E., Woodinville,
                                         WA, UNITED STATES
                            Granite Falls, WA,
       Sheppard, Paul O.,
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       Gilbertson, Debra G., Seattle,
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       Zhang, Hong, Carlsbad, CA, UNITED STATES
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              Kenneth W., Del Mar, CA, UNITED STATES harmaceuticals Inc. (U.S. corporation)
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       Mao, Tiany, Parkville, MD, UNITED STATES
       Pasterkamp, Ronald J., Baltimore, MD, UNITED STATES
       Yu, Hung-Hsiang, Lynnwood, WA, UNITED STATES
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Fukushima, Daikichi, Osaka, JAPAN
Shibayama, Shiro, Osaka, JAPAN
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IN
        Tada, Hideaki, Osaka, JAPAN
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                                        (non-U.S. corporation)
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           Adeno-associated virus (AAV) serotype 8 sequences, vectors containing
           same, and uses therefor
Gao, Guangping, Rosemont, PA, UNITED STATES
Wilson, James M., Gladwyne, PA, UNITED STATES
Alvira, Mauricio R., Philadelphia, PA, UNITED STATES
The Trustice's of the University of Pennsylvania, Philadelphia, PA (U.S.
TN
PA
           corporation)
PI
           US 2003228282
                                                   20031211
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           US 2003-423704
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           Continuation-in-part of Ser. No. WO 2002-US33630, filed on 12 Nov 2002,
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            ICM: A61K048-00
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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            2003:318734 USPATFULL
AN
TI
           Secreted and transmembrane polypeptides and nucleic acids encoding the
           same
           Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
            Stewart, Timothy A., San Francisco, CA, UNITED STATES
            Tumas, Daniel, Orinda, CA, UNITED STATES
           Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
US 2003224478 Al 20031204
US 2002-226254 Al 20020821 (10)
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PΙ
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           Continuation of Ser. No. US 2001-946374, filed on 4 Sep 2001, PENDING Continuation of Ser. No. WO 2000-US4342, filed on 18 Feb 2000, PENDING
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                      536/023.200
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           ICM: C12P021-02
           ICS: C12N005-06; C07K014-47; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
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           2003:318667 USPATFULL
AN
           Genes that are up- or down-regulated during differentiation of
ΤI
               ***human***
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           Stanton, Lawrence W., Singapore, SINGAPORE
Brandenberger, Ralph, Menlo Park, CA, UNITED STATES
Gold, Joseph D., San Francisco, CA, UNITED STATES
Irving, John M., San Mateo, CA, UNITED STATES
Mandalam, Ramkumar, Union City, CA, UNITED STATES
Mok, Michael, Palo Alto, CA, UNITED STATES
Shelton Dawne Salt Lake City UNITED STATES
IN
           Shelton, Dawne, Salt Lake City, UT, UNITED STATES US 2003224411 A1 20031204
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AΙ
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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           Baker, Kevin P., Darnestown, MD, UNITED STATES
IN
           Botstein, David, Belmont, CA, UNITED STATES
           Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES Fong, Sherman, Alameda, CA, UNITED STATES Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES Goddard, Audrey, San Francisco, CA, UNITED STATES Godowski, Paul J., Hillsborough, CA, UNITED STATES Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
           Grimaldi, J. Christopher, San Francisco,
                                                                             CA, UNITED STATES
           Gurney, Austin L., Belmont, CA, UNITED STATES
           Pan, James, Belmont, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
           Hillan, Kenneth J., San Francisco, CA, UNITED STATES
            Genentech, Inc. (U.S. corporation)
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         Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
         Ferrara, Napoleone, San Francisco, CA, UNITED STATES
         Fong, Sherman, Alameda, CA, UNITED STATES
               Wei-Qiang, Palo Alto, CA, UNITED STATES
         Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
         Grimaldi, J. Christopher, San Francisco, CA,
                                                                    UNITED STATES
         Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED
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         Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stawart Timothy, A San Francisco, CA UNITED STATES
         Stewart, Timothy A., San Francisco, CA, UNITED STATES
         Tumas, Daniel, Orinda, CA, UNITED STATES
         Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
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                435/069.100;
                435/320.100; 435/325.000; 435/183.000
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DT

FS

INCL

NCL

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
         ANSWER 307 OF 441
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AN
             2003:294783
            Proteins, polynucleotides encoding them and methods of using the same Malyankar, Uriel M., Branford, CT, UNITED STATES Shenoy, Suresh G., Branford, CT, UNITED STATES Spytek, Kimberly A., New Haven, CT, UNITED STATES Zerhusen, Bryan D., Branford, CT, UNITED STATES Patturajan, Meera, Branford, CT, UNITED STATES Guo, Xiaojia (Sasha), Branford, CT, UNITED STATES Kekuda Ramesh Stamford, CT, UNITED STATES
ΤI
IN
            Kekuda, Ramesh, Stamford, CT, UNITED STATES
Gangolli, Esha A., Madison, CT, UNITED STATES
Shimkets, Richard A., West Haven, CT, UNITED STATES
Taupier, Raymond J., JR., East Haven, CT, UNITED STATES
Li, Li, Branford, CT, UNITED STATES
Padigaru, Muralidhara, Branford, CT, UNITED STATES
US 2003207800 A1 20031106
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
         ANSWER 308 OF 441
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TI
             Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
IN
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Godowski, Paul J., Hillsborough, CA, UNITED STATES
             Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
             Gurney, Austin L., Belmont, CA, UNITED STATES
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             Smith, Victoria, Burlingame, CA, UNITED STATES
              Stewart, Timothy A., San Francisco, CA, UNITED STATES
              Tumas, Daniel, Orinda, CA, UNITED STATES
             Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
              Genentech, Inc. (U.S. corporation)
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             Continuation of Ser. No. US 2001-946374, filed on 4 Sep 2001, PENDING Continuation of Ser. No. WO 2000-US4342, filed on 18 Feb 2000, PENDING Continuation-in-part of Ser. No. US 1999-403297, filed on 18 Oct 1999, ABANDONED A 371 of International Ser. No. WO 1999-US20111, filed on 1
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Sep 1999, PENDING

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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 309 OF 441
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           Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
           Ferrara, Napoleone, San Francisco, CA,
                                                                           UNITED STATES
           Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
           Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, T. Christophor, Can Example Co.
          Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
                                                                                   UNITED STATES
           Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bzyt==t, OH, UNITED STATES
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           Davies, Michael John, Kent, UNITED KINGDOM
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Botstein, David, Belmont, CA, UNITED STATES
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          Secreted and transmembrane polypeptides and nucleic acids encoding the
         Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
          Ferrara, Napoleone, San Francisco, CA, UNITED STATES
          Fong, Sherman, Alameda, CA, UNITED STATES
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Goddard, Audrey, San Francisco, CA, UNITED STATES Godowski, Paul J., Hillsborough, CA, UNITED STATES
          Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
          Gurney, Austin L., Belmont, CA, UNITED STATES
          Hillan, Kenneth J., San Francisco, CA, UNITED STATES
Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
          Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
          Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES Wood, William I., Hillsborough, CA, UNITED STATES Genentech, Inc. (U.S. corporation)
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
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          Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
          Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
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AN
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                                 receptors
IN
        Tessier-Lavigne, Marc, San Francisco, CA, United States
        He, Zhigang, San Francisco, CA, United States
Chen, Hang, San Francisco, CA, United States
PA
        The Regents of the University of California, Oakland, CA, United States
        (U.S. corporation)
        US 6623738
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        US 1999-439711
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ΑN
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        Polypeptides having diagnostic, preventive, therapeutic, and other uses Kirst, Susan J., Brookline, MA, UNITED STATES
TI
IN
        Holtzman, Douglas A., Jamaica Plain, MA, UNITED STATES
        Fraser, Christopher C., Lexington, MA, UNITED STATES
        Sharp, John D., Arlington, MA, UNITED STATES
                Thomas S., Boston, MA, UNITED STATES
        MILLENNIUM PHARMACEUTICALS, INC., Cambridge, MA, UNITED STATES, 02139
PA
        (U.S. corporation) US 2003175733
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         Tournaire, Roselyne, La Gaude, FRANCE
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Derbin, Claude, Gif Sur Yvette, FRANCE
IN
          Perret, Gerard, Montmorency, FRANCE
         Mazie, Jean-Claude, Asnieres Sur Seine, FRANCE
          Plouet, Jean, Toulouse, FRANCE
         Vassy, Roger, Paris, FRANCE
INSTITUT PASTEUR, Paris Cedex, FRANCE (non-U.S. corporation)
PA
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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         Ferrara, Napoleone, San Francisco, CA, UNITED STATES
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         Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I, Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
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          Kimura, Toru, Kūsatsu, JAPAN
          Kikuchi, Kaoru, Takaraduka, JAPAN
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         US 2003167482
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         Fong, Sherman, Alameda, CA, UNITED STATES
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         Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
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Hillan, Kenneth J., San Francisco, CA, UNITED STATES
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          Stewart, Timothy A., San Francisco, CA, UNITED STATES
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        INCLS: 530/350.000; 530/388.100; 435/069.100; 435/320.100; 435/325.000;
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        ICS: C12N005-06; C07K014-47; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T.4
      ANSWER 342 OF 441
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MΑ
        2003:238691 USPATFULL
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           ***Semaphorin***
                                 gene family
        Goodman, Corey S., Berkeley, CA, UNITED STATES Kolodkin, Alex L., Berkeley, CA, UNITED STATES Matthes, David, Berkeley, CA, UNITED STATES Bentley, David R., Berkeley, CA, UNITED STATES O'Connor, Timothy, Berkeley, CA, UNITED STATES US 2003166849 A1 20030904
IN
PI
ΑI
        US 2002-67632
                              A1
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RLI
        Pat. No. US 6344544 Continuation of Ser. No. US 1997-835268, filed on 8
        Apr 1997, GRANTED, Pat. No. US 5807826 Division of Ser. No.
        1993-121713, filed on 13 Sep 1993, GRANTED, Pat. No. US 5639856
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        Utility
        APPLICATION
FS
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        INCLM: 530/350.000
        INCLS: 530/324.000; 530/326.000; 530/327.000; 530/328.000; 530/329.000
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 343 OF 441
L4
                           USPATFULL on STN
AN
        2003:238553
                      USPATFULL
TI
        Nerve regeneration promoters containing
                                                        ***semaphorin***
                                                                               inhibitor
        as the active ingredient
IN
        Kimura, Toru, Shiga, JAPAN
        Kikuchi, Kaoru, Hyogo, JAPAN
        Kumagai, Kazuo, Hyogo, JAPAN
        Hosotani, Nobuo, Hyogo, JAPAN
Kishino, Akiyoshi, Osaka, JAP
                                     JAPAN
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PΙ
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        US 2003-343125
AΙ
                              A1
                                    20030128
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PRAI
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        JP 2000-390985
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DT
        Utility
FS
        APPLICATION
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INCLS: 549/392.000; 435/254.500; 435/125.000; 530/350.000
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IC
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
T.4
     ANSWER 344 OF 441
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AN
        2003:237898
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        Secreted and transmembrane polypeptides and nucleic acids encoding the
        same
IN
        Baker, Kevin P., Darnestown, MD, UNITED STATES
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Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES
Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
                                                                                    UNITED STATES
           Gurney, Austin L., Belmont, CA, UNITED STATES
           Hillan, Kenneth J., San Francisco, CA, UNITED STATES
           Pan, James, Belmont, CA, UNITED STATES
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Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
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PA
PI
           US 2003166055
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           Sep 1999,
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           ICS: C12N005-06; C07K014-47; C07H021-04; C12N009-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
        ANSWER 345 OF 441
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AN
           Nucleic acids encoding CD100 molecules
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IN
           Hall, Kathryn T., Boston, MA, UNITED STATES
           Freeman, Gordon J., Brookline, MA, UNITED STATES
           Schultze, Joachim L., Brookline, MA, UNITED STATES
Boussiotis, Vassiliki A., Brookline, MA, UNITED STATES
           Nadler, Lee M., Newton, MA, UNITED STATES
           Dana-Farber Cancer Institute (U.S. corporation)
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PΙ
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APPLICATION
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           INCLS: 530/350.000; 435/069.100; 435/320.100; 435/325.000
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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           Baker, Kevin P., Darnestown, MD, UNITED STATES Botstein, David, Belmont, CA, UNITED STATES
IN
           Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES
           Ferrara, Napoleone, San Francisco, CA, UNITED STATES
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Fong, Sherman, Alameda, CA, UNITED STATES

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Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
        Grimaldi, J. Christopher, San Francisco, CA, Gurney, Austin L., Belmont, CA, UNITED STATES
                                                               UNITED STATES
        Hillan, Kenneth J., San Francisco, CA,
                                                        UNITED STATES
        Pan, James, Belmont, CA, UNITED STATES
        Paoni, Nicholas F., Belmont, CA, UNITED STATES
        Roy, Margaret Ann, San Francisco, CA, UNITED STATES Smith, Victoria, Burlingame, CA, UNITED STATES
        Stewart, Timothy A., San Francisco, CA, UNITED STATES
        Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
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NCL
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                   435/069.100; 435/183.000; 435/325.000; 435/320.100; 514/012.000;
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          ICM: G01N033-53
          ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 347 OF 441
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ΑN
          Secreted and transmembrane polypeptides and nucleic acids encoding the
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         Baker, Kevin P., Darnestown, MD, UNITED STATES Botstein, David, Belmont, CA, UNITED STATES
IN
         Desnoyers, Luc, San Francisco, CA, UNITED STATES Eaton, Dan L., San Rafael, CA, UNITED STATES
          Ferrara, Napoleone, San Francisco, CA,
                                                              UNITED STATES
          Fong, Sherman, Alameda, CA, UNITED STATES
          Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
         Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
Grimaldi, J. Christopher, San Francisco, CA, UNITED
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
                                                                       UNITED STATES
          Pan, James, Belmont, CA, UNITED STATES
         Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
         Stewart, Timothy A., San Francisco, CA, UNITED STATES
Tumas, Daniel, Orinda, CA, UNITED STATES
Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
PA
          US 2003148375
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PΙ
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AΙ
          US 2001-6130
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          WO 1999-US20111
          WO 1999-US21194
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          WO 1999-US30095
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WO 2000-US14042 WO 2000-US14941 WO 2000-US13264 WO 2000-US23328 WO 2000-US23522 WO 2000-US30873 WO 2000-US30952 WO 2000-US30952 WO 2001-US6520 WO 2001-US6520 WO 2001-US17800 WO 2001-US17800 WO 2001-US17800 WO 2001-US17800 WO 2001-US17800 US 1998-98716P US 1998-98723P US 1998-98723P US 1998-98730P US 1998-9883P US 1998-9883P US 1998-99536P US 1998-99536P US 1998-99536P US 1998-99536P US 1998-99536P US 1998-99602P US 1998-99602P US 1998-99602P US 1998-99754P US 1998-99754P US 1998-99815P US 1998-99754P US 1998-99816P US 1998-100388P US 1998-100664P US 1998-100710P US 1998-100710P US 1998-100740P US 1998-100740P US 1998-100747P US 1998-100747P US 1998-100747P US 1998-100747P US 1998-101747P US 1998-101915P US 1998-101743P US 1998-101743P US 1998-101743P US 1998-101915P US 1998-102207P US 1998-102207P US 1998-102207P US 1998-102207P US 1998-101743P US 1998-101743P US 1998-101743P US 1998-101915P US 1998-101743P US 1998-101743P US 1998-101743P US 1998-101915P US 1998-101743P US 1998-101743P US 1998-101743P US 1998-101915P US 1998-101743P US 1998-101743P US 1998-101743P US 1998-102207P	000517 000522 000530 000622 000824 001108 01108 01108 0110620 010629 01060)
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         ICS: C07H021-04; C12N009-00; C12P021-02; C12N005-06; C07K014-435
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 348 OF 441
2003:200787 USI
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L4
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AN
TΤ
         Method of detecting and/or identifying adeno-associated virus (AAV)
         sequences and isolating novel sequences identified thereby
         Gao, Guangping, Rosemont, PA, UNITED STATES
IN
         Wilson, James M., Gladwyne, PA, UNITED STATES
         Alvira, Mauricio R., Philadelphia, PA, UNITED STATES
         US 2003138772
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IC
         ICM: C120001-68
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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L4
      ANSWER 349 OF 441
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         2003:195223
ΤI
         Secreted and transmembrane polypeptides and nucleic acids encoding the
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         Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
IN
         Ferrara, Napoleone, San Francisco, CA, UNITED STATES
         Fong, Sherman, Alameda, CA, UNITED STATES
Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
         Goddard, Audrey, San Francisco, CA, UNITED STATES
Godowski, Paul J., Hillsborough, CA, UNITED STATES
         Grimaldi, J. Christopher, San Francisco, CA, UNITED STATES
Gurney, Austin L., Belmont, CA, UNITED STATES
Hillan, Kenneth J., San Francisco, CA, UNITED STATES
                                  San Francisco, CA, UNITED STATES
         Pan, James, Belmont, CA, UNITED STATES
Paoni, Nicholas F., Belmont, CA, UNITED STATES
Roy, Margaret Ann, San Francisco, CA, UNITED STATES
Smith, Victoria, Burlingame, CA, UNITED STATES
Stowart Timothy, A San Francisco
         Stewart, Timothy A., San Francisco, CA, UNITED STATES
         Tumas, Daniel, Ōrinda, CA, UNITED STATES
         Watanabe, Colin K., Moraga, CA, UNITED STATES
Williams, P. Mickey, Half Moon Bay, CA, UNITED STATES
Wood, William I., Hillsborough, CA, UNITED STATES
Genentech, Inc. (U.S. corporation)
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Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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AN
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TI
       Alitalo, Kari, Helsinki, FINLAND
IN
       Eriksson, Ulf,
                        Stockholm, SWEDEN
       Olofsson, Brigitta, San Francisco, CA, UNITED STATES
Makinen, Taija, Helsinki, FINLAND
       Ludwig Institute for Cancer Research, New York, NY, UNITED STATES, 10158
PA
        (non-U.S. corporation)
       Licentia Ltd., Helsinki, FINLAND, FIN-00130 (non-U.S. corporation) US 2003125523 A1 20030703
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        Gaarde, William, Carlsbad, CA,
                                         UNITED STATES
IN
                          Vista, CA, UNITED STATES
        Watt, Andrew T., Vista, CA, UNITED STATES Isis Pharmaceuticals Inc. (U.S. corporation)
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Botstein, David, Belmont, CA, UNITED STATES
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AN
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        Gao, Guangping, Rosemont, PA, UNITED STATES
IN
                            Gladwyne, PA, UNITED STATES
        Wilson, James M.,
        The Trustees of the University of Pennsylvania, Philadelphia, PA (U.S.
PA
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           Alitalo, Kari, Helsinki, FINLAND
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       Kimura, Toru, Shiga, JAPAN
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       Sumitomo Pharmaceuticals Company, Limited, Osaka-fu, JAPAN (non-U.S.
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        Oosthuyse, Bert, Ooigem, BELGIUM
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          Soker, Shay, Brookline, MA, UNITED STATES
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        Compositions and methods for production of recombinant viruses, and uses
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        Gao, Guangping, Rosemont, PA, UNITED STATES
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        Wilson, James M., Gladwyne, PA, UNITED STATES
Alvira, Mauricio R., Philadelphia, PA, UNITED STATES
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CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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        Spriggs, Melanie K., Seattle, WA, United States
Comeau, Michael R., Seattle, WA, United States
DuBose, Robert F., Bellevue, WA, United States
Johnson, Richard S., Mercer Island, WA, United States
Immunex Corporation, Seattle, WA, United States
IN
                                  Seattle, WA, United States (U.S. corporation)
         Immunex Corporation,
PA
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         Baker, Kevin P., Darnestown, MD, UNITED STATES
Botstein, David, Belmont, CA, UNITED STATES
Desnoyers, Luc, San Francisco, CA, UNITED STATES
Eaton, Dan L., San Rafael, CA, UNITED STATES
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          Ferrara, Napoleone, San Francisco, CA, UNITED STATES
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Gao, Wei-Qiang, Palo Alto, CA, UNITED STATES
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          Stewart, Timothy A., San Francisco, CA, UNITED STATES
          Tumas, Daniel, Orinda, CA, UNITED STATES
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           WRIGHT, JIM A., TORONTO, CANADA
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        Sharp, John D., Ar Barnes, Thomas S.,
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        HALL, KATHRYN T., BOSTON, MA, UNITED STATES
FREEMAN, GORDON J., BROOKLINE, MA, UNITED STATES
SCHULTZE, JOACHIM L., BROOKLINE, MA, UNITED STATES
BOUSSIOTIS, VASSILIKI A., BROOKLINE, MA, UNITED STATES
IN
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        NADLER, LEE M., NEWTON, MA,
                                       UNITED STATES
        DANA-FARBER CANCER INSTITUTE (U.S. corporation)
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        Gao, Zeren, Redmond, WA, United States
              Charles E., Woodinville, WA, United States
       Piddington, Christopher S., Thousand Oaks, CA, United States
        Sheppard, Paul O., Granite Falls, WA, United States
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         West, James W., Seattle, WA, United States
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        Methods for diagnosing and treating alzheimer's disease and parkinson's
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IN
        Good, Paul F., Chappaqua, NY, UNITED STATES
        Kohtz, D. Stave, Astoria, NY, UNITED STATES
        Mt. Sinai School of Medicine (U.S. corporation) US 2003032070 Al 20030213
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IN
        Alitalo, Kari, Helsinki, FINLAND
Eriksson, Ulf, Stockholm, SWEDEN
        Olofsson, Birgitta, Stockholm, SWEDEN
Makinen, Taija, Helsinki, FINLAND
Licentia Ltd., Helsinki, FINLAND (non-U.S. corporation)
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        Ludwig Institute for Cancer Research, New York, NY, United States (U.S.
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         Wilson, James M., Gladwyne, PA, UNITED STATES
        Auricchio, Alberto, Philadelphia, PA, UNITED STATES
        Hildinger, Markus, Evanston, IL, UNITED STATES
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        Stimulation of vascularization with VEGF-B Eriksson, Ulf, Stockholm, SWEDEN
Li, Xuri, Stockholm, SWEDEN
Carmeliet, Peter, Zwijnaarde, BELGIUM
Collen, Desire, Zwijnaarde, BELGIUM
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        Ludwig Institute for Cancer Research, New York, NY (non-U.S.
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        roundabout-like polypeptides
        Shimkets, Richard A., West Haven, CT, UNITED STATES
CuraGen Corporation, New Haven, CT, UNITED STATES, 06511 (U.S.
IN
PA
        corporation)
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        US 2003003532
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Hart, Charles E., Woodinville, WA, United States
Sheppard, Paul O., Granite Falls, WA, United States
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        Hart, Charles E., Woodinville, WA, UNITED STATES
        Piddington, Christopher S., Thousand Oaks, CA, UNITED STATES Sheppard, Paul O., Granite Falls, WA, UNITED STATES Shoemaker, Kimberly E., Bellevue, WA, UNITED STATES Gilbertson, Debra G., Seattle, WA, UNITED STATES
        West, James W., Seattle, WA, UNITED STATES ZymoGenetics, Inc. (U.S. corporation)
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          VEGFR-3 inhibitor materials and methods
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         Alitalo, Kari, Helsinki, FINLAND
         Koivunen, Erkki, Helsinki, FINL
Kubo, Hajime, Helsinki, FINLAND
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                 424/001.490; 514/044.000; 530/391.100
 IC
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         ICM: A61K048-00
         ICS: A61K051-00; G01N033-574; C07K016-46
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 410 OF 441
                             USPATFULL on STN
 AN
         2002:273549
                        USPATFULL
 TI
         Materials and methods involving hybrid vascular endothelial growth
         factor DNAs and proteins
        Alitalo, Kari, Helsinki, FINLAND
Jeltsch, Markku Michael, Helsinki, FINLAND
US 2002151680 Al 20021017
 IN
PΙ
         US 2001-795006
ΑI
                               Α1
                                      20010226
PRAI
         US 2000-205331P
                                 20000518
                                            (60)
        US 2000-185205P
                                 20000225
                                            (60)
DT
        Utility
FS
        APPLICATION
LN.CNT
        9347
INCL
         INCLM: 530/350.000
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                 530/350.000
        NCLM:
IC
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        ICM: C07K001-00
         ICS: C07K014-00; C07K017-00
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 411 OF 441
                             USPATFULL on STN
ΑN
        2002:265899
                       USPATFULL
TI
        Novel
                  ***semaphorin***
                                         genes (I)
        Inagaki, Shinobu, Ibaraki-shi, JAPAN
IN
        Furuyama, Tatsuo, Ibaraka-shi, JAPAN
Sumitomo Pharmaceuticals Company, Limited (non-U.S. corporation)
PA
PΙ
                                     20021010
ΑI
        US 2002-144031
                               Α1
                                     20020514 (10)
        Division of Ser. No. US 1999-308179, filed on 14 May 1999, PENDING A 371 of International Ser. No. WO 1997-JP4111, filed on 12 Nov 1997, UNKNOWN
RLI
PRAI
        JP 1996-321068
                                19961115
DT
        Utility
FS
        APPLICĀTION
LN.CNT
        1218
INCL
        INCLM: 435/069.100
                435/320.100; 435/325.000; 530/350.000; 536/023.500
        INCLS:
NCL
        NCLM:
                435/069.100
        NCLS:
                435/320.100; 435/325.000; 530/350.000; 536/023.500
IC
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C12NUU5-U6; CU/HU21-U4; CU/KU14-435
  CAS INDEXING IS AVAILABLE FOR THIS PATENT.
  L4
        ANSWER 412 OF 441 USPATFULL on STN
           2002:259417 USPATFULL
  AN
  TI
           Promoters of neural regeneration
  IN
          Song, Hong-Jun, La Jolla, CA, UNITED STATES
          Poo, Mu-Ming, La Jolla, CA, UNITED STATES Ming, Guo-Li, La Jolla, CA, UNITED STATES Tessier-Lavigne, Marc, San Francisco, CA,
                                                                UNITED STATES
          He, Zhigang, San Francisco, CA, UNITED STATES US 2002142990 A1 20021003
 ΡI
                                         20021003
 AI
          US 2002-90095
                                  Α1
                                         20020228 (10)
          Continuation of Ser. No. US 2001-900268, filed on 6 Jul 2001, PENDING Division of Ser. No. US 1998-145820, filed on 2 Sep 1998, GRANTED, Pat.
 RLI
 DT
          Utility
 FS
          APPLICATION
 LN.CNT
          775
 INCL
          INCLM: 514/048.000
          INCLS: 514/185.000; 514/231.500; 514/320.000; 514/410.000; 514/263.320
 NCL
          NCLM:
                   514/048.000
          NCLS:
                   514/185.000; 514/231.500; 514/320.000; 514/410.000; 514/263.320
 IC
          [7]
          ICM: A61K031-711
          ICS: A61K031-555; A61K031-522; A61K031-5377; A61K031-4525
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
       ANSWER 413 OF 441 USPATFULL on STN
 AN
          2002:243583 USPATFULL
          Antagonists of neuropilin receptor function and use thereof
 TI
          Klagsbrun, Michael, Newton, MA, UNITED STATES
Soker, Shay, Brookline, MA, UNITED STATES
Miao, Hua-Quan, Brookline, MA, UNITED STATES
 IN
          Takashima,
                       Seiji, Osaka, JAPAN
174 A1 20020919
 PΙ
          US 2002132774
         US 2002-104440
 ΑI
                                  A1
                                        20020322 (10)
         Continuation of Ser. No. US 2000-580803, filed on 30 May 2000, ABANDONED Continuation of Ser. No. WO 1998-US26114, filed on 9 Dec 1998, UNKNOWN
 RLI
 PRAI
         US 1997-69155P
                                   19971209 (60)
         US 1997-69687P
                                   19971212 (60)
         US 1998-78541P
                                   19980319 (60)
DT
         Utility
FS
         APPLICATION
LN.CNT
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INCL
         INCLM: 514/012.000
NCL
         NCLM:
                  514/012.000
IC
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         ICM: A61K038-17
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 414 OF 441
                              USPATFULL on STN
AN
         2002:221802
                        USPATFULL
         Use of Ulip-and/or Ulip2 in the treatment of myelin disorders Aguera, Michelle, Caluire, FRANCE
\mathtt{TI}
IN
         Belin, Marie-Francoise, Lyon, FRANCE
Charrier, Emmanuelle, Les Herbiers, FRANCE
         Honorat, Jerome, Brion, FRANCE
         Ricard, Damien, Lyon, FRANCE
         Rogemond, Veronique, Lyon, FRANCE
PI
         US 2002119944
US 2001-986632
                                Α1
                                        20020829
ΑI
                                        20011109 (9)
                                 Α1
PRAI
         US 2000-246751P
                                 20001109 (60)
DT
         Utility
FS
         APPLICATION
LN.CNT
         2259
INCL
         INCLM: 514/044.000
         INCLS: 514/012.000; 424/146.100
NCL
         NCLM:
                  514/044.000
         NCLS:
                  514/012.000; 424/146.100
IC
         [7]
         ICM: A61K048-00
         ICS: A61K038-17; A61K039-395
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
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```
AN
          2002:209328
                           USPATFULL
 ΤI
             ***Semaphorin***
                                      genes (I)
 IN
          Inagaki, Shinobu, Ibaraki, JAPAN
Furuyama, Tatsuo, Ibaraki, JAPAN
          Sumitomo Pharmaceuticals Company, Limited, Osaka, JAPAN (non-U.S.
 PA
          corporation)
 PΙ
          US 6436669
                                   B1
                                          20020820
          WO 9822504
                          19980528
          US 1999-308179
 AΙ
                                          19990514
          WO 1997-JP4111
                                          19971112
                                          19990514
                                                      PCT 371 date
          JP 1996-321068
Utility
 PRAI
                                    19961115
 DT
 FS
          GRANTED
 LN.CNT
          1272
 INCL
          INCLM: 435/069.100
          INCLS: 435/320.100; 435/325.000; 435/455.000; 536/023.100; 536/023.500;
                   424/093.200; 424/093.210
 NCL
          NCLM:
                   435/069.100
          NCLS:
                   424/093.200; 424/093.210; 435/320.100; 435/325.000; 435/455.000;
                   536/023.100; 536/023.500
 IC
          ICM: C12P021-06
          ICS: C12N015-00; C12N015-63; A01N063-00; C07H021-04
536/23.1; 536/23.5; 435/320.1; 435/325; 435/69.1; 435/252.3; 435/455;
514/1; 800/13; 424/93.2; 424/93.21
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 416 OF 441
                                USPATFULL on STN
AN
          2002:201870 USPATFULL
 TI
          Growth factor homolog ZVEGF3
 IN
          Gao, Zeren, Redmond, WA, United States
         Hart, Charles E., Woodinville, WA, United States
         Piddington, Christopher S., Thousand Oaks, CA, United States
Sheppard, Paul O., Granite Falls, WA, United States
Shoemaker, Kimberly E., Bellevue, WA, United States
Gilbertson, Debra G., Seattle, WA, United States
West, James W., Seattle, WA, United States
ZymoGenetics, Inc., Seattle, WA, United States
US 6432673

Bl 20020813
PA
PΙ
ΑI
         US 1999-457066
                                         19991207 (9)
PRAI
         US 1998-111173P
                                   19981207 (60)
         US
             1999-142576P
                                   19990706 (60)
         US 1999-161653P
                                   19991021
                                               (60)
         US 1999-165255P
                                   19991112 (60)
         Utility
DT
FS
         GRANTEĎ
LN.CNT
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INCL
         INCLM: 435/069.100
         INCLS: 435/069.500; 435/006.000; 435/320.100; 435/325.000; 530/351.000;
                  530/399.000
NCL
         NCLM:
                  435/069.100
                  435/006.000; 435/069.500; 435/320.100; 435/325.000; 530/351.000;
         NCLS:
                  530/399.000
IC
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         ICM: C12N015-00
EXF 435/69.1; 435/69.5; 435/325; 530/351; 530/399 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 417 OF 441
L4
                               USPATFULL on STN
AN
         2002:194704
                         USPATFULL
TI
         Screening assays for the interaction of
                                                                ***semaphorins***
                                                                                          and
         neuropilins
IN
         Ginty, David D., Columbia, MD, United States
         Kolodkin, Alex L., Baltimore, MD, United States
The Johns Hopkins University, Baltimore, MD, United States (U.S.
PA
         corporation)
PΙ
         US 6428965
                                        20020806
ΑI
         US 1998-116473
                                        19980716
                                                    (9)
PRAI
         US 1997-52762P
                                   19970717 (60)
DT
         Utility
FS
         GRANTED
LN.CNT
         1440
INCL
         INCLM: 435/007.100
         INCLS: 435/007.200; 435/007.210; 435/007.800; 435/021.000
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NCLS: 435/007.200; 435/007.210; 435/007.800; 435/021.000
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         ICM: G01N033-53
 ICS: G01N033-537; G01N033-566; G01N033-567; C12Q001-42
EXF 435/7.1; 435/7.2; 435/7.21; 435/7.8; 435/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
      ANSWER 418 OF 441
                           USPATFULL on STN
 AN
         2002:157101
                      USPATFULL
 TI
         Snake venom polypeptide zsnk1
 IN
         Sheppard, Paul O., Granite Falls, WA, UNITED STATES
 ΡĮ
         US 2002081700
                              Α1
                                    20020627
 ΑI
         US
            2001-923995
                              Α1
                                    20010807 (9)
         US 2000-223164P
 PRAI
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         Utility
 DT
 FS
         APPLICATION
 LN.CNT
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 INCL
         INCLM: 435/200.000
         INCLS: 435/325.000; 536/023.200; 435/226.000; 435/320.100
NCL
                 435/200.000
         NCLM:
         NCLS:
                 435/325.000; 536/023.200; 435/226.000; 435/320.100
 IC
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         ICM: C12N009-24
         ICS: C12N009-64; C07H021-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 419 OF 441
                           USPATFULL on STN
AN
        2002:133839 USPATFULL
TI
        Peptides blocking vascular endothelial growth factor (VEGF) -mediated
        angiogenesis, polynucleotides encoding said peptides and methods of use
IN
        Tournaire, Roselyne, La Gaude, FRANCE
        Demangel, Caroline, Coogee NSW, AUSTRALIA
Derbin, Claude, Gif Sur Yvette, FRANCE
Perret, Gerard, Montmorency, FRANCE
        Mazie, Jean-Claude, Asnieres Sur Seine, FRANCE
        Plouet, Jean,
                        Toulouse, FRANCE
        Vassy, Roger, Paris, FRANCE
ΡI
        US 2002068697
                              À1
                                    20020606
        US 6559126
                              B2
                                    20030506
AΙ
        US 2001-822270
                                    20010402 (9)
                              A1
PRAI
        US 2000-193396P
                               20000331 (60)
        Utility
DΤ
        APPLICATION
FS
LN.CNT
        1368
INCL
        INCLM: 514/012.000
        INCLS: 435/007.100; 435/069.400; 536/023.500; 530/399.000; 435/325.000;
                435/252.300
                514/016.000
NCL
        NCLM:
                435/004.000; 435/007.100; 435/DIG.035; 514/002.000; 530/329.000;
        NCLS:
                530/350.000; 536/023.100; 536/023.510
IC
        [7]
        ICM: A61K038-08
        ICS: G01N033-53; C07H021-04; C12N005-06; C12N001-21; C07K007-04
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 420 OF 441
                           USPATFULL on STN
AN
        2002:72853
                     USPATFULL
ΤI
        Use of inhibitors of the activation of CXCR4 receptor by SDF-1 in
        treating rheumatoid arthritis
IN
        Winchester, Robert J., New York, NY, UNITED STATES
        Seki, Tetsunori, Roosevelt Island, NY, UNITED STATES Gulko, Percio Saltz, Riverdale, NY, UNITED STATES
PI
        US 2002039993
US 2001-773876
                             Α1
                                   20020404
ΑI
                             Α1
                                   20010131 (9)
RLI
        Continuation of Ser. No. WO 1999-US17178, filed on 29 Jul 1999, UNKNOWN
        Continuation-in-part of Ser. No. US 1998-127651, filed on 31 Jul 1998,
        ABANDONED
        Utility
DT
FS
        APPLICATION
LN.CNT
        973
INCL
        INCLM: 514/002.000
        INCLS: 424/142.100; 424/133.100
NCL
        NCLM:
               514/002.000
        NCLS:
                424/142.100; 424/133.100
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ICM: A61KU38-17
          ICS: A61K039-395
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
       ANSWER 421 OF 441
                              USPATFULL on STN
 AN
          2002:67198 USPATFULL
            ***Human***
 ΤI
                               ***semaphorin***
                                                        L (H-SemaL) and corresponding
            ***semaphorins***
                                     in other species
          Fleckenstein, Bernhard, Wiesenthau, GERMANY, FEDERAL REPUBLIC OF
 IN
          Ensser, Armin, Nurnberg, GERMANY, FEDERAL REPUBLIC OF US 2002037851 A1 20020328
         US 2002037851
US 2001-836077
 PΙ
 ΑI
                                 A1
                                        20010416 (9)
          Continuation of Ser. No. US 1998-112904, filed on 9 Jul 1998, ABANDONED
 RLI
 PRAI
         DE 1997-19729211
                                   19970709
         DE 1998-19805371
                                   19980211
         Utility
 DT
         APPLICATION
 FS
 LN.CNT 4333
 INCL
         INCLM: 514/012.000
         INCLS: 530/350.000; 536/023.500; 435/069.100; 435/325.000
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                  514/012.000
                  530/350.000; 536/023.500; 435/069.100; 435/325.000
         NCLS:
 IC
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         ICM: C07K014-435
         ICS: C07H021-04; C12P021-02; C12N005-06; A61K038-17
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 422 OF 441
L4
                             USPATFULL on STN
AN
         2002:32229 USPATFULL
         Compositions and methods for helper-free production of recombinant
TI
         adeno-associated viruses
IN
         Gao, Guangping, Rosemont, PA, UNITED STATES
         Wilson, James M., Gladwyne, PA, UNITED STATES
PI
         US 2002019050
                                 A1
                                       20020214
         US 6485966
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                                       20021126
ΑI
         US 2001-826510
                                 A1
                                       20010405 (9)
         Division of Ser. No. US 1999-404555, filed on 23 Sep 1999, GRANTED, Pat. No. US 6258595 Continuation-in-part of Ser. No. WO 1999-US5870, filed on
RLI
         18 Mar 1999, UNKNOWN
DT
         Utility
FS
         APPLICATION
LN.CNT
         1413
         INCLM: 435/456.000
INCLS: 435/235.100
NCLM: 435/320.100
NCLS: 435/235.100; 435/239.000; 435/325.000; 435/455.000; 435/466.000; 514/044.000; 536/023.100
INCL
NCL
IC
         ICM: C12N015-861
         ICS: C12N007-01
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 423 OF 441 USPATEULL
L4
                             USPATFULL on STN
AN
TI
            ***Semaphorin***
                                 -specific antibodies
        Goodman, Corey S., Berkeley, CA, United States
Kolodkin, Alex L., Berkeley, CA, United States
Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
         (U.S. corporation)
        US 6344544
US 1998-60610
ΡI
                                В1
                                       20020205
ΑI
                                       19980415 (9)
        Continuation of Ser. No. US 1997-835268, filed on 8 Apr 1997, now
RLI
        patented, Pat. No. US 5807826 Division of Ser. No. US 1993-121713, filed
         on 13 Sep 1993, now patented, Pat. No. US 5639856
        Utility
DT
FS
        GRANTED
LN.CNT
        3635
INCL
         INCLM: 530/387.900
        INCLS: 424/139.100
NCL
        NCLM:
                 530/387.900
        NCLS:
                 424/139.100
IC
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ICS: CU/KU16-18
424/138.1; 424/139.1; 530/387.9
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 424 OF 441 USPATFULL on STN
 L4
           2002:12535 USPATFULL
 AN
           Promoters of neural regeneration
 TI
 IN
           Song, Hong-jun, La Jolla, CA, UNITED STATES
          Poo, Mu-Ming, La Jolla, CA, UNITED STATES
Ming, Guo-li, La Jolla, CA, UNITED STATES
Tessier-Lavigne, Marc, San Francisco, CA, UNITED STATES
           He, Zhigang, San Francisco, CA, UNITED STATES US 2002006916 A1 20020117
 PΙ
                                     Α1
                                             20020117
           US 6512004
                                     B2
                                             20030128
          US 2001-900268
 AΙ
                                     Α1
                                            20010706 (9)
          Division of Ser. No. US 1998-145820, filed on 2 Sep 1998, GRANTED, Pat.
 RLI
          No. US 6268352
          Utility
 DT
          APPLICATION
 FS
 LN.CNT 1042
 INCL
          INCLM: 514/047.000
          INCLS: 514/231.500; 514/185.000; 514/262.000; 514/424.000; 514/509.000
NCL
          NCLM:
                    514/455.000
                    514/042.000; 514/047.000; 514/048.000; 514/085.000; 514/174.000; 514/183.000; 514/192.000; 514/211.120; 514/220.000; 514/227.200;
          NCLS:
                    514/248.000; 514/263.380; 514/376.000; 514/423.000; 514/453.000
 IC
          ICM: A61K031-7105
          ICS: A61K031-5377; A61K031-555; A61K031-4015; A61K031-522; A61K031-21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 425 OF 441
                                  USPATFULL on STN
AN
          2001:224215 USPATFULL
TI
             ***Human***
                                    ***semaphorin***
                                                               ZSMF-16
          Holloway, James L., Seattle, WA, United States Foley, Kevin P., Cambridge, MA, United States
IN
          US 2001049432
PΙ
                                     A1
                                            20011206
AΙ
          US 2000-731179
                                     Α1
                                            20001206 (9)
PRAI
          US 1999-169238P
                                      19991206 (60)
DT
          Utility
          APPLICATION
FS
LN.CNT
          3805
INCL
          INCLM: 530/350.000
          INCLS: 435/069.700; 435/325.000; 536/023.500; 530/388.230; 435/006.000
NCL
                    530/350.000
          NCLM:
                    435/069.700; 435/325.000; 536/023.500; 530/388.230; 435/006.000
          NCLS:
IC
          [7]
          ICM: C12Q001-68
          ICS: C07H021-04; C12P021-04; C07K014-435; C07K016-18
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 426 OF 441 USPATFULL on STN
AN
          2001:121459 USPATFULL
TI
          Promoters of neural regeneration
         Song, Hong-jun, La Jolla, CA, United States
Poo, Mu-Ming, La Jolla, CA, United States
Ming, Guo-li, La Jolla, CA, United States
Tessier-Lavigne, Marc, San Francisco, CA, United States
He, Zhigang, San Francisco, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
          (U.S. corporation)
PΙ
          US 6268352
                                    B1
                                           20010731
ΑI
          US 1998-145820
                                           19980902 (9)
          Utility
DT
FS
          GRANTED
LN.CNT
         886
INCL
          INCLM: 514/047.000
                   514/042.000; 514/048.000; 514/183.000; 514/192.000; 514/220.000; 514/211.120; 514/227.200; 514/248.000; 514/263.000; 514/274.000; 514/376.000; 514/423.000; 514/453.000; 435/375.000
          INCLS:
NCL
         NCLM:
                   514/047.000
                   435/375.000; 514/042.000; 514/048.000; 514/183.000; 514/185.000; 514/192.000; 514/211.120; 514/220.000; 514/227.200; 514/248.000; 514/263.340; 514/274.000; 514/376.000; 514/423.000; 514/453.000
         NCLS:
IC
          [7]
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ICS: A61KU31-4U; A61KU31-33

EXF 514/42; 514/47; 514/48; 514/183; 514/192; 514/220; 514/211.12;

514/227.2; 514/263; 514/274; 514/248; 514/376; 514/423; 514/453; 435/375

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 427 OF 441
 L4
                                  USPATFULL on STN
           2001:107680 USPATFULL
 AN
          Compositions and methods for helper-free production of recombinant
 TI
           adeno-associated viruses
 IN
          Gao, Guang-Ping, Havertown, PA, United States Wilson, James M., Gladwyne, PA, United States
          The Trustees of the University of Pennsylvania, Philadelphia, PA, United
 PA
          States (U.S. corporation)
 PI
          US 6258595
                                    В1
                                           20010710
          US 1999-404555
 ΑI
                                           19990923 (9)
          Continuation-in-part of Ser. No. WO 1999-US5870, filed on 18 Mar 1999
 RLI
 DT
          Utility
 FS
          GRANTED
 LN.CNT
          1417
          INCLM: 435/320.100
 INCL
          INCLS: 435/325.000; 435/239.000; 435/455.000; 435/466.000; 536/023.100;
                    514/044.000
NCL
          NCLM:
                    435/320.100
          NCLS:
                    435/239.000; 435/325.000; 435/455.000; 435/466.000; 514/044.000;
                    536/023.100
 IC
          [7]
          ICM: C12N015-86
          ICS: C12N015-00; C12N005-00; C07H021-04; A61K048-00 435/320.1; 435/239; 435/325; 435/455; 435/456; 536/23.1; 514/44
 EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 428 OF 441
                                 USPATFULL on STN
AN
          2001:63662 USPATFULL
TI
             ***Semaphorin***
          Luo, Yuling, South San Francisco, CA, United States Xu, Xiaomei, South San Francisco, CA, United States
IN
PA
          Exelixis Pharmaceuticals, Inc., South San Francisco, CA, United States
          (U.S. corporation)
          ÚS 6225285
ΡI
                                   В1
                                          20010501
          US 1998-41236
ΑI
                                          19980311 (9)
DT
          Utility
FS
          Granted
LN.CNT
          771
INCL
          INCLM: 514/012.000
          INCLS: 514/014.000; 530/300.000; 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/333.000; 530/344.000; 530/350.000; 435/007.100; 435/007.200; 435/073.400
NCL
                   514/012.000
          NCLM:
                   435/007.100; 435/007.200; 514/014.000; 530/300.000; 530/324.000; 530/325.000; 530/326.000; 530/327.000; 530/333.000; 530/344.000;
          NCLS:
                   530/350.000
IC
          [7]
          ICM: A61K038-00
          ICS: C07K014-00; C07K016-00; C07K017-00; C07K005-00
          514/12; 514/14; 530/300; 530/324; 530/325; 530/326; 530/327; 530/333; 530/344; 530/350; 435/7.1; 435/7.2; 435/7.21; 435/73.4
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 429 OF 441
                                USPATFULL on STN
AN
         2001:22355
                         USPATFULL
TI
         Viral encoded
                               ***semaphorin***
                                                         protein receptor polypeptides
         Spriggs, Melanie K., Seattle, WA, United States
Comeau, Michael R., Seattle, WA, United States
DuBose, Robert F., Bellevue, WA, United States
Johnson, Richard S., Mercer Island, WA, United States
Tommuney Corporation
IN
         Immunex Corporation, Seattle, WA, United States (U.S. corporation)
PA
PI
         US 6187909
                                  B1
                                          20010213
         US 1999-459066
ΑI
                                          19991210 (9)
         Division of Ser. No. US 1998-181706, filed on 28 Oct 1998, now patented,
RLI
         Pat. No. US 6130068 Continuation of Ser. No. US 1997-958598, filed on 28
         Oct 1997
PRAI
         US 1998-112009P
                                    19981026 (60)
DT
         Utility
FS
         Granted
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LN.CNT 1876

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INCLS: 530/300.000; 530/402.000; 435/069.100; 536/023.100; 424/192.100
NCLM: 530/350.000
 NCL
           NCLM:
           NCLS:
                    424/192.100; 435/069.100; 530/300.000; 530/402.000; 536/023.100
  IC
           [7]
           ICM: C07K014-00
           ICS: C07H021-04; A61K039-395
           530/350; 530/300; 530/402; 435/69.1; 435/7.1; 536/23.1; 424/192.1
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
        ANSWER 430 OF 441 USPATFULL on STN
 AN
           2000:134735 USPATFULL
 ΤI
           Viral encoded
                                ***semaphorin***
                                                         protein receptor DNA and polypeptides
          Spriggs, Melanie K., Seattle, WA, United States
Comeau, Michael R., Seattle, WA, United States
DuBose, Robert F., Bellevue, WA, United States
Johnson, Richard S., Mercer Island, WA, United States
Immunex Corporation, Seattle, WA, United States
(U.S. corporation)
 IN
 PA
 PI
          US 6130068
                                          20001010
 ΑI
          US 1998-181706
                                          19981028 (9)
 PRAI
          US 1998-112009P
                                     19981026 (60)
 DT
          Utility
 FS
          Granted
 LN.CNT
          2488
 INCL
          INCLM: 435/069.100
          INCLS: 536/023.100; 435/302.100; 435/325.000; 435/252.300
NCLM: 435/069.100
 NCL
          NCLM:
                   435/252.300; 435/302.100; 435/325.000; 536/023.100
          NCLS:
 IC
          [7]
          ICM: C07H021-04
          ICS: C12N015-09; C12N015-63
          536/23.5; 536/24.31; 536/23.1; 435/69.1; 435/302.1; 435/325; 435/252.3;
 EXF
          435/172.3; 530/350
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 431 OF 441
                                USPATFULL on STN
ΑN
          2000:50543
                         USPATFULL
TI
             ***Semaphorin***
                                     receptors
         Tessier-Lavigne, Marc, San Francisco, CA, United States
He, Zhigang, San Francisco, CA, United States
Chen, Hang, San Francisco, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
          (U.S. corporation)
         US 6054293
US 1997-936135
PI
                                          20000425
AI
                                          19970924 (8)
         Continuation-in-part of Ser. No. US 1997-889458, filed on 8 Jul 1997,
\mathtt{RLI}
         now abandoned
DT
         Utility
FS
         Granted
LN.CNT
         4866
INCL
         INCLM: 435/069.100
         INCLS: 536/023.100; 536/024.310; 435/320.100; 435/325.000; 435/252.300;
                   435/172.300; 530/300.000; 530/350.000
NCL
         NCLM:
                   435/069.100
         NCLS:
                   435/007.200; 435/252.300; 435/320.100; 435/325.000; 530/300.000;
                   530/350.000; 536/023.100; 536/024.310
IC
         ICM: C07H021-04
         ICS: C12N015-12; C12N015-63
435/69.1; 435/70.1; 435/7.2; 435/325; 435/320.1; 435/252.3; 435/172.3;
530/300; 530/350; 536/23.1; 536/24.31
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 432 OF 441
                               USPATFULL on STN
AN
         2000:4942
                       USPATFULL
ΤI
            ***Semaphorin***
                                     gene family
IN
         Goodman, Corey S., Berkeley, CA, United States
         Kolodkin, Alex L., Berkeley, CA, United States
         Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
PA
         (U.S. corporation)
PΙ
         US 6013781
                                         20000111
AI
         US 1997-833391
                                         19970408
                                                    (8)
         Division of Ser. No. US 1993-121713, filed on 13 Sep 1993, now patented,
RLI
```

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D.T.
            Utility
  FS
            Granted
  LN.CNT
           4675
            INCLM: 536/023.100
  INCL
            INCLS: 536/023.500
            NCLM:
 NCL
                      536/023.100
            NCLS:
                      536/023.500
 IC
            [6]
            ICM: C07H021-04
            ICS: C12N015-11
 EXF
            536/23.1; 536/23.5
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
        ANSWER 433 OF 441
                                   USPATFULL on STN
 AN
           1999:92582 USPATFULL
 TI
              ***Semaphorin***
                                          gene family
           Goodman, Corey S., Berkeley, CA, United States Kolodkin, Alex L., Berkeley, CA, United States
 IN
           Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
 PA
            (U.S. corporation)
           US 5935865
US 1998-60692
 PI
                                              19990810
 ΑI
                                              19980415 (9)
           Continuation of Ser. No. US 1997-835268, filed on 8 Apr 1997, now patented, Pat. No. US 5807826 which is a division of Ser. No. US
 RLI
           1993-121713, filed on 13 Sep 1993, now patented, Pat. No. US 5639856
DT
           Utility
FS
           Granted
 LN.CNT
           3955
 INCL
           INCLM: 436/501.000
NCL
           NCLM:
                     436/501.000
 IC
           [6]
           ICM: G01N033-566
EXF 530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/12; 514/14.15; 514/16; 514/17; 514/21; 436/86; 436/501
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
        ANSWER 434 OF 441
L4
                                   USPATFULL on STN
AN
           1998:111907 USPATFULL
TI
              ***Semaphorin***
                                         gene family
          Goodman, Corey S., Berkeley, CA, United States Kolodkin, Alex L., Berkeley, CA, United States
IN
          Matthes, David, Berkeley, CA, United States
Bentley, David R., Berkeley, CA, United States
O'Connor, Timothy, Berkeley, CA, United States
The Regents of the University of California, Oakland, CA, United States
PA
           (U.S. corporation)
PI
          US 5807826
                                              19980915
ΑI
          US 1997-835268
                                              19970408 (8)
          Division of Ser. No. US 1993-121713, filed on 13 Sep 1993, now patented,
RLI
          Pat. No. US 5639856
DT
          Utility
FS
          Granted
LN.CNT
          3581
INCL
          INCLM:
                    514/012.000
                    514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/021.000
          INCLS:
NCL
          NCLM:
                    514/012.000
          NCLS:
                    514/014.000; 514/015.000; 514/016.000; 514/017.000; 514/021.000
IC
          [6]
          ICM: A61K038-04
          ICS: A61K038-16
          530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/12; 514/14;
EXF
          514/15; 514/16; 514/17; 514/21
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
       ANSWER 435 OF 441
                                  USPATFULL on STN
AN
                        USPATFULL
          97:52102
TI
             ***Semaphorin***
                                        gene family
         Goodman, Corey S., Berkeley, CA, United States Kolodkin, Alex L., Berkeley, CA, United States Matthes, David, Berkeley, CA, United States Bentley, David R., Berkeley, CA, United States O'Connor, Timothy, Berkeley, CA, United States
IN
```

```
(U.S. corporation)
US 5639856
US 1993-121713
 PΙ
                                      19970617
 ΑI
                                      19930913 (8)
 DT
         Utility
 FS
         Granted
 LN.CNT
         2556
 INCL
         INCLM: 530/326.000
                 514/012.000;
         INCLS:
                                 514/014.000; 514/015.000; 514/016.000; 514/017.000;
                  514/021.000; 530/327.000; 530/328.000; 530/329.000; 530/330.000;
                  530/350.000
 NCL
         NCLM:
                  530/326.000
         NCLS:
                 530/327.000; 530/328.000; 530/329.000; 530/330.000; 530/350.000
 IC
         [6]
         ICM: A61K038-04
         ICS: A61K038-16; C07K014-005; C07K014-435
530/326; 530/327; 530/328; 530/329; 530/330; 530/350; 514/14; 514/15;
514/16; 514/17; 514/12; 514/21
 EXF
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 L4
      ANSWER 436 OF 441
                             USPAT2 on STN
 AN
         2003:64296
                       USPAT2
 ΤI
         CD100 antigen and uses therefor
 IN
         Hall, Kathryn T., Boston, MA, United States
         Freeman, Gordon J., Brookline, MA, United States
         Schultze, Joachim L., Pulheim, GERMANY, FEDERAL REPUBLIC OF Boussiotis, Vassiliki A., Brookline, MA, United States
         Nadler, Lee M., Newton, MA, United States
         Dana-Farber Cancer Institute, Boston, MA, United States (U.S.
 PA
         corporation)
PΙ
         US 6576754
                               B2
                                      20030610
ΑI
         US 1995-556422
                                      19951109 (8)
DT
         Utility
FS
         GRANTED
LN.CNT
         3464
INCL
         INCLM: 536/023.500
                 536/023.100
536/023.500
         INCLS:
NCL
        NCLM:
        NCLS:
                 536/023.100
IC
         [7]
         ICM: C07H021-04
         536/23.1; 536/23.5
EXF
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 437 OF 441
L4
                            USPAT2 on STN
AN
        2002:315067
                       USPAT2
TI
           ***Semaphorin***
                                 K1
        Luo, Yuling, South San Francisco, CA, United States Xu, Xiaomei, South San Francisco, CA, United States
IN
PA
        Exelixis, Inc., South San Francisco, CA, United States (U.S.
        corporation)
PI
        US 6583277
                               B2
                                     20030624
ΑI
        US 2001-771467
                                     20010126
        Division of Ser. No. US 1998-41236, filed on 11 Mar 1998, now patented,
RLI
        Pat. No. US 6225285
DT
        Utility
FS
        GRANTED
LN.CNT
        1228
INCL
        INCLM: 536/023.500
                536/023.100; 530/300.000; 530/327.000; 530/324.000; 530/350.000;
        INCLS:
                 435/069.100
NCL
        NCLM:
                 536/023.500
                435/069.100; 530/300.000; 530/324.000; 530/327.000; 530/350.000;
        NCLS:
                 536/023.100
IC
        [7]
ICM: C07H021-04

EXF 536/23.1; 536/23.5; 435/69.1; 435/70.1; 435/41; 435/466; 530/300; 530/324; 530/327; 530/350

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
      ANSWER 438 OF 441
L4
                            USPAT2 on STN
AN
        2002:133839
                       USPAT2
TI
        Peptides blocking vascular endothelial growth factor (VEGF)-mediated
        angiogenesis, polynucleotides encoding said peptides and methods of use
IN
        Tournaire, Roselyne, La Gaude, FRANCE
```

```
Derbin, Claude, Gil sur Yvette, FRANCE
          Perret, Gerard, Montmorency, FRANCE
          Mazie, Jean-Claude, Asnieres sur Seine, FRANCE
          Plouet, Jean, Toulouse, FRANCE
Vassy, Roger, Paris, FRANCE
 PA
          Institut Pasteur, Paris, FRANCE (non-U.S. corporation)
PI
          US 6559126
                                         20030506
                                  B2
AΙ
          US 2001-822270
                                                    (9)
                                         20010402
 PRAI
          US 2000-193396P
                                    20000331 (60)
         Utility
DT
FS
          GRANTED
LN.CNT
         1376
          INCLM: 514/016.000
 INCL
         INCLS: 514/002.000; 530/329.000; 530/350.000; 435/007.100; 435/004.000;
                   435/DIG.035; 536/023.100; 536/023.510
NCL
         NCLM:
                   514/016.000
                   435/004.000; 435/007.100; 435/DIG.035; 514/002.000; 530/329.000;
         NCLS:
                   530/350.000; 536/023.100; 536/023.510
IC
          ICM: A61K038-00
         ICS: C07K007-06
         514/16; 514/2; 530/329; 530/350; 435/7.1; 435/4; 435/DIG.35; 536/23.1;
EXF
         536/23.51
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
       ANSWER 439 OF 441
L4
                               USPAT2 on STN
AN
                        USPAT2
         2002:32229
ΤI
         Compositions and methods for helper-free production of recombinant
         adeno-associated viruses
         Gao, Guangping, Rosemont, PA, United States
Wilson, James M., Gladwyne, PA, United States
The Trustees of the University of Pennsylvania, Philadelphia, PA, United
IN
PA
         States (U.S. corporation)
PΙ
         US 6485966
                                        20021126
AΙ
         US 2001-826510
                                        20010405
                                                    (9)
         Division of Ser. No. US 1999-404555, filed on 23 Sep 1999, now patented, Pat. No. US 6258595 Continuation-in-part of Ser. No. WO 1999-US5870,
RLI
         filed on 18 Mar 1999
DT
         Utility
FS
         GRANTED
LN.CNT
         1409
INCL
         INCLM: 435/320.100
         INCLS: 435/235.100; 435/325.000; 435/239.000; 435/455.000; 435/466.000;
                  514/044.000; 536/023.100
NCL
         NCLM:
                  435/320.100
         NCLS:
                  435/235.100; 435/239.000; 435/325.000; 435/455.000; 435/466.000;
                  514/044.000; 536/023.100
IC
         ICM: C12N015-861
         ICS: C12N007-01; C12N015-09; A61K048-00; C07H021-04
         435/320.1; 435/235.1; 435/239; 435/325; 435/455; 435/466; 536/23.1;
EXF
         514/44
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
      ANSWER 440 OF 441 USPAT2 on STN
ΑN
         2002:12535 USPAT2
         Promoters of neural regeneration
TI
        Song, Hong-jun, La Jolla, CA, United States
Poo, Mu-ming, La Jolla, CA, United States
Ming, Guo-li, La Jolla, CA, United States
Tessier-Lavigne, Marc, San Francisco, CA, United States
He, Zhigang, San Francisco, CA, United States
The Regents of the University of California, Oakland, CA, United States
IN
PA
         (U.S. corporation)
PI
         US 6512004
                                 B2
                                        20030128
ΑI
         US 2001-900268
                                        20010706 (9)
RLI
         Division of Ser. No. US 1998-145820, filed on 2 Sep 1998, now patented,
         Pat. No. US 6268352
DT
         Utility
FS
         GRANTED
LN.CNT
         939
INCL
         INCLM: 514/455.000
                 514/047.000; 514/042.000; 514/048.000; 514/183.000; 514/192.000; 514/220.000; 514/211.120; 514/227.200; 514/263.000; 514/174.000;
         INCLS:
                  514/220.000; 514/211.120; 514/227.200; 514/263.000; 514/174.000; 514/248.000; 514/376.000; 514/423.000; 514/453.000; 514/085.000
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514/042.000; 514/047.000; 514/048.000; 514/085.000; 514/1/4.000; 514/183.000; 514/192.000; 514/211.120; 514/220.000; 514/227.200; 514/248.000; 514/263.380; 514/376.000; 514/423.000; 514/453.000
           NCLS:
 IC
            ICM: A61K031-35
ICS: A61K031-70; A61K031-33; A61K031-43; A61K031-553

EXF 514/455; 514/47; 514/42; 514/48; 514/183; 514/192; 514/220; 514/211.12; 514/227.2; 514/263; 514/274; 514/248; 514/376; 514/423; 514/453; 514/85

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
L4
        ANSWER 441 OF 441
                                     WPIDS
                                               COPYRIGHT 2004 THOMSON DERWENT on STN
AN
        1999-394959 [33]
                                     WPIDS
        1999-385607 [32]; 1999-394975 [33]; 1999-395021 [33]
CR
DNC
        C1999-116065
        Neurpilin receptor antagonists is useful for treatment of, e.g. metastic
TI
        cancer.
DC
        B04 D16
        KLAGSBRUN, M; MIAO, H; SOKER, S; TAKASHIMA, S
(CHIL-N) CHILDRENS MEDICAL CENT; (KLAG-I) KLAGSBRUN M; (MIAO-I) MIAO H;
IN
PA
         (SOKE-I) SOKER S; (TAKA-I) TAKASHIMA S
        23
CYC
PI
            9929729 A2 19990617 (199933)* EN C07K016-00 RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
        WO 9929729
              W: AU CA JP US
        AU 9918104
                                Α
                                     19990628 (199946)
                                                                                   C07K016-00
        EP 1037925
                                A2 20000927
                                                  (200048)
                                                                 EN
                                                                                   C07K016-22
             R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
        US 2002132774
                               A1 20020919 (200264)
                                                                                  A61K038-17
       WO 9929729 A2 WO 1998-US26114 19981209; AU 9918104 A AU 1999-18104
19981209; EP 1037925 A2 EP 1998-962986 19981209, WO 1998-US26114 19981209;
ADT
       US 2002132774 A1 Provisional US 1997-69155P 19971209, Provisional US
       1997-69687P 19971212, Provisional US 1998-78541P 19980319, Cont of WO 1998-US26114 19981209, Cont of US 2000-580803 20000530, US 2002-104440
       20020322
       AU 9918104 A Based on WO 9929729; EP 1037925 A2 Based on WO 9929729
US 1998-78541P 19980319; US 1997-69155P 19971209;
US 1997-69687P 19971212; US 2000-580803 20000530;
FDT
PRAI US 1998-78541P
       US 2002-104440
                                       20020322
IC
              A61K038-17; C07K016-00; C07K016-22
       ICM
       ICS
               A61K039-00
STN INTERNATIONAL LOGOFF AT 16:45:47 ON 10 JUN 2004
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